



# Activity Report 2019



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# Foreword

As we reflect on the past year and the drawing to a close of another decade in human history, it is clear that we have reached an inflection point. We are at a moment in which we either assume our collective responsibility to confront the Planetary Emergency which is now upon us, or continue on our current unsustainable trajectory.

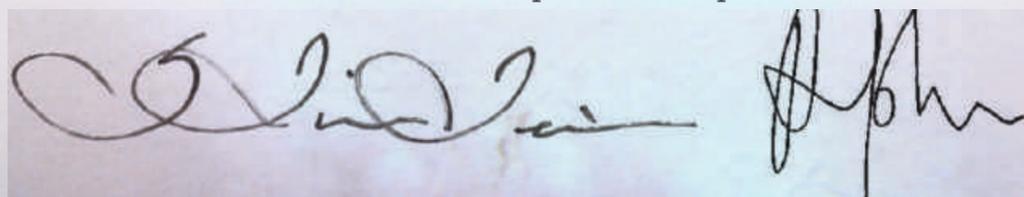
At the dawn of a new decade so critical for the future of humanity and our common home – Mother Earth - the Club of Rome can look back on 2019 as the beginning of a new chapter in its history.

For the first time, the Club held its Annual Conference in Sub-Saharan Africa, while opening its doors to younger generations through the organisation of a hugely successful Youth Summit. Elsewhere, the Club's efforts on the international stage gained traction, in particular with the launch of its Planetary Emergency Plan, creating inroads at the highest levels of EU decision-making. The Club maintained its status as a source of thought leadership through the publication of two new reports, "Stewarding Sustainability Transformations" and "Sustainable Action: Overcoming the Barriers".

The successful implementation of a new thematic working programme towards a more impact-oriented mission and vision will continue to unfold over the course of the next two years of this Co-Presidency, in close cooperation with the honorary Presidents, members and partners. The aim of the new operational structure is to ensure the translation of our deep thought leadership into targeted action on key 21st Century tipping points, which necessitate renewed efforts to promote the Emergence out of the Planetary Emergency, with a different mindset regarding a new human civilization more aligned with planetary boundaries.

As we look ahead to the "super year" of 2020 - and indeed to the critical decade before us - we will use our global reach to continue contributing to the transition to a world in which the measure of success is well-being and the prosperity of people and planet.

Sandrine Dixson-Declève & Mamphela Ramphela



# Reports to the Club of Rome

## Stewarding Sustainability Transformations

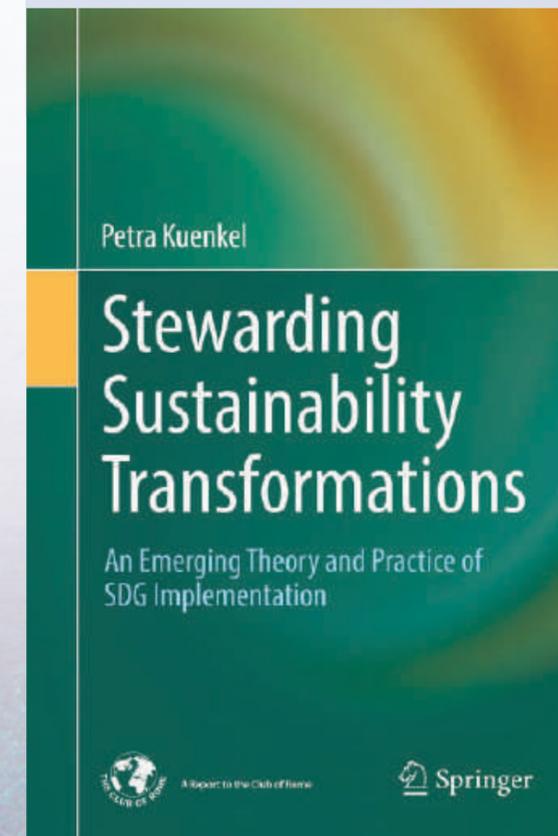
| by Petra Künkel

This Report to the Club of Rome presents a novel approach to navigating collaborative change in partnerships between governments, research institutions, corporations and civil society activists in the context of the world's pressing sustainability challenges.

It introduces the theory and practice of Collective Stewardship as a management tool that respects the integrity of human and natural systems with special reference to the 17 Sustainable Development Goals and the Planetary Boundaries. Drawing on the work of transdisciplinary scientific scholars and seasoned sustainability practitioners, it shows how transformative change can be built on life's inherent tendency to generate patterns of vitality and resilience. This ground-breaking monograph shows workable

pathways to stewarding patterns of vitality in social and ecological systems at all levels of the global society.

The conceptual architecture which the author elaborates builds on transformation literature and boils it down to a practical guide for planning and implementing interventions across all sectors of society. It helps bring about change through a deliberate combination of enlivening narratives, empowering metrics, enabling processes, multi-level governance, guiding regulations, and life-supporting innovation. This comprehensive book sets a new direction in the field of sustainability transformations and will become a foundation for planning collective action and achieving impact at scale.



## Sustainable Action: Overcoming the Barriers

| by Christian Berg

In this timely exploration of sustainable action, Christian Berg unpacks the complexity in understanding the barriers we face in moving towards a sustainable future, providing solution perspectives for every level, from individuals to governments and supra-national organizations. In doing so, he offers a lucid vision of a long-term and achievable goal for sustainability.

While the 2030 Agenda has already set ambitious targets for humanity, it offers little guidance for concrete actions. Although much is already being done, progress seems slow and certain kinds of sustainable action can ultimately prove counterproductive. Different disciplines, societal actors, governmental departments and NGOs attribute the slow progress to a variety of causes, from the corruption of politicians to the wrong incentive structures.

Sustainable Action surveys all the fields of sustainability to provide action principles that speak to actors across the spectrum, not just those professionally-mandated to implement such changes. It offers a roadmap to all those who might not readily think

about systems change but are deeply concerned about the current crises and want to contribute to a sustainable future in a meaningful way.

This book will be of great interest to students and scholars of sustainability issues, as well as those looking for a framework for how to change their institutional systems at work, to impact the quadruple bottom line: environment, economy, society, and future generations.



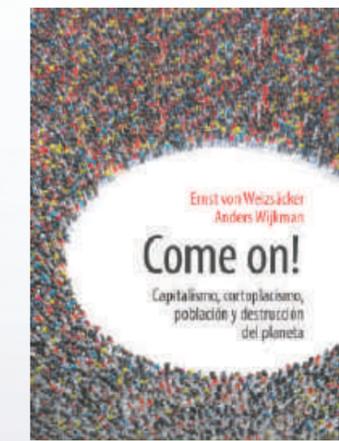
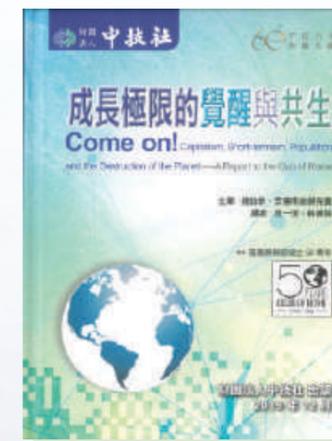
## Come On! Capitalism, Short-termism, Population and the Destruction of the Planet

| by Ernst von Weizsäcker, Anders Wijkman, et al.

The book was prepared for the 50th Anniversary of the Club of Rome in 2018 and proposes an overhaul in the way that governments, businesses, financial systems, innovators and families interact with our planet.

It was co-authored by then-presidents of the Club of Rome Ernst von Weizsäcker and Anders Wijkman, with contributions from more than 30 members of the Club.

In the course of last year, it was published in a number of different languages and now exists in Bulgarian, Chinese, German, Japanese, Italian, Spanish, Polish and Ukrainian.



# Events

January

## 10th January, Madrid – Transhumanism

The Spanish Chapter of the Club of Rome organised an event on Transhumanism with Francesc Torralba as speaker.

## 16th January, Ottawa - The Rise and Foreseeable Future of Artificial Intelligence

The Canadian Association for the Club of Rome organised an event with IT pioneer Peter MacKinnon to discuss ethics and moral issues regarding the development and use of AI as a dual-use technology.

## 18th January, Winterthur - From Know-How to Action

The Club of Rome held its New Year's Reception 2019 in Winterthur with co-hosts myblueplanet, a Swiss climate protection movement. The event, entitled "From know-how to action and impact" was opened with a presentation by Alexander Stefes (Executive Director) and Till Kellerhoff (Communications and Project Manager) on the global challenges ahead, and an overview of implementation opportunities on a local/regional level by project managers at myblueplanet. Topics included the transformation of energy systems and the transition to low-carbon land-use, as called for in the Club of Rome's Climate Emergency Plan.



February

## 10th February, Brussels: Achieving the SDGs

The Club of Rome EU Chapter organised an event about "Achieving the SDGs within Europe: No Poverty Eradication without Environmental Action" in the European Parliament, with MEPs Isabelle Thomas and Maurice Ponga.

## 14th February, Bruck - Shaping Space Sustainability

The Club of Rome Carnuntum co-organised an event on future planning and construction.

## 18th February, Barcelona – Political Governance

The Barcelona Office of the Club of Rome organised an event entitled "Political Governance and Municipal Democracy" with Josep Pont Vidal.

## 20th February, Ottawa - Investigative Journalism and Climate Change

The Canadian Association for the Club of Rome organised an event with Mike De Souza, an award-winning investigative journalist, on the role of the oil and gas industry in Canadian public policy.

## 23rd February, New Delhi: Re-Greening India

An event on "Re-Greening India: Water for All - A critical need for coherence in policies and actions" was organised by the Rajiv Gandhi Institute and the Indian National Association of the Club of Rome.

## 27th February, Barcelona – Cities and Health

The Barcelona Office of the Club of Rome organised an event on the growth of the global urban population, and its impact on human health and well-being. Pollution and noise on the one hand and urban green spaces on the other, are examples of key factors which influence health and well-being of a growing urban population.

March

## 18th March, Belgrade - Serbian-Italian Meeting

A Serbian-Italian Meeting on the Sustainable Development Goals was co-organised by the Serbian Chapter of the Club of Rome. Among the speakers were **Ugo Bardi** and **Carlos Alvarez-Pereira**, full members of the Club of Rome, as well as **Radmilo Pešić**, **Dragan Djuricin**, **Dragan Simeunović**, **Nebojša Nešković**, members of the Serbian Chapter.

## 20th March, Ottawa - Relational Values and Policy Mixes

The Canadian Association of the Club of Rome hosted a lecture by Kai Chan about "Tapping into what matters: Relational Values and Policy mixes for sustainability".

### 21st - 22nd March, Dubrovnik - New Civilization Initiative

The "Emerging New Civilization" initiative is one of the core themes of the Club of Rome. It aims to amplify the paradigm shift towards seeing the world as an interconnected whole and to bring such a view into the mainstream discourse of global sustainability transformations. It will substantially contribute to overcoming the current value crisis and work towards making humankind a collectively responsible actor in the era of the Anthropocene.

Club of Rome members were joined by members of The World Academy of Arts and Science (WAAS) who had already launched a similar initiative, the "New Paradigm Project". They gathered in Dubrovnik for an open debate on next steps and cooperation.

### 26th March, Brussels – Halfway there (?)

CoR Co-President **Sandrine Dixson-Declève** was part of a panel discussion on climate think-tank Sandbag's new report "Halfway There - Existing policies put Europe on track for emission cuts of at least 50% by 2030"

### 27th March, Munich - Digital Antropocene: Beautiful New World?

Club of Rome member **Maja Göpel** spoke at an event organised by the Club of Rome-European Research Centre and the Deutsches Museum in Munich. She discussed how new technologies and robotics will interact with the Sustainable Development Goals (SDGs)



## April

### 4th April, Kyiv – Launch of the Ukrainian edition of Come On!

CoR Honorary President **Ernst von Weizsäcker** presented the Ukrainian version of the report to the Club of Rome Come On!, at the invitation of **Viktor Halasiuk**, President of the Ukrainian Association of the Club of Rome.

### 10th April, Berlin – Energy Transition Dialogue

Club of Rome Co-President **Sandrine Dixson-Declève** took part in the Berlin Energy Transition Dialogue at the German Federal Foreign Office and gave a presentation on Empowering Women in the Energy Transition.

### 13th April, Winterthur – Future of Nutrition

The Executive Director of the Club of Rome, Alexander Stefes, participated in a panel at the Gewerbemuseum Winterthur on what sustainable food of the future will look like.

## May

### 1st May – Ottawa – The Future of Artificial Intelligence

Artificial Intelligence is a popular buzzword in today's world, but few understand its relevance and importance. Peter MacKinnon delved deeper into the topic in a speech on the Future of Artificial Intelligence, at an event organised by the Canadian Association of the Club of Rome.

### 10th May, Winterthur - Sustainability Day

The Club of Rome was a partner of the Sustainability Day of the Municipal Library of Winterthur. Communications and Project Manager, Till Kellerhoff, presented the work of the Club of Rome in the context of the SDGs. The presentation referred to the analysis of the recent reports to the Club of Rome Come On! and Transformation is Feasible.

### 15th May, Brussels – Meeting of European National Associations

The Club of Rome and the EU Chapter organised a meeting of National Associations in Brussels. Co-President, **Sandrine Dixson-Declève** and Executive Committee member, **Carlos Alvarez Pereira** presented an overview of the Club's new working themes and Impact Hubs structure. **Herman van Rompuy**, Honorary President of the EU Chapter and **Mark Dubrulle**, President of the Chapter, provided updates on recent developments of note at EU-level.

### 24rd May, Ulm – The Limits to Growth

Dennis Meadows spoke at the University of Ulm, Germany, on the evaluation of the first Report to the Club of Rome, The Limits to Growth (1972).

### 24th - 26th May, Hamburg - Futurological Congress

The German Association of the Club of Rome was partner of a Futurological Congress, held in Hamburg from 24-26th May.

### 26th May, Rohrau – Dialogue on human dignity

The Club of Rome Carnuntum organised a dialogue with **Hannes Swoboda** in Rohrau (Austria) about culture and human dignity.

## June

### 3rd June, Ljubljana - Challenges of Sustainable Development

Ivo Slaus, Honorary President of the World Academy of Arts and Sciences and CoR member, gave a lecture on "Challenges of sustainable development and technological opportunities", followed by a roundtable discussion about the role of future technologies in the context of the call for a new enlightenment in the recent report to the CoR, Come on!

### 15th June, Moscow - Business Club-University

The Russian Association of the Club of Rome launched the Business Club-University, an open dialogue platform whose mission is to train and disseminate advanced ideas in the field of management, psychology, systems analysis and solving the global problems of mankind.

### 25th June, Brussels – What about Sustainability?

The Club of Rome EU-Chapter organised an Aurelio Peccei lecture with Geneviève Pons, entitled "What about sustainability in the EU coalition 2019-2024?"

### 25th June, Berlin - Come on! Inspire, reflect, act

The German Association of the Club of Rome, in cooperation with the Federation of German Scientists and the Wuppertal Institute, organised a symposium on the occasion of the 80th Birthday of **Ernst von Weizsäcker**, Honorary President of the Club of Rome.

## July

### 1st July, London - Responding to the Climate Emergency - the Role of Parliament

Club of Rome Co-President, **Sandrine Dixson-Declève**, spoke at an event at the Houses of Parliament in Westminster, organised by GLOBE International, in partnership with the Club of Rome. The event addressed questions on the role and power of parliament in the context of climate emergency, including: Is the UK Parliament fit for purpose or has the Brexit process revealed deficiencies? What about the devolved nations and sub-regions? Are new constitutional arrangements and powers needed to effectively tackle the climate emergency?

### 2nd July, Berlin – New Business Models

Club of Rome member **Petra Künkel** spoke on a panel entitled "Rethinking Strategic Management: Can business lead the way to a sustainable future?" at the New Business Models Conference in Berlin.

### 4th July, London – Emerging from Emergency: Urgency as a catalyst for action and regeneration

In light of the growing climate emergency narrative and the critical need for it be accompanied by concrete action, The Club of Rome convened a high-level Roundtable at Chatham House, entitled "Emerging from Emergency: urgency as a catalyst for action and regeneration", as part of the inaugural London Climate Action Week.

The event brought together change-agents from across the broad spectrum of the climate emergency and sustainability space, from prominent youth activists and business leaders, to city-level decision-makers and policy experts. The meeting was an unprecedented opportunity to build a network of actors and to catalyse action-oriented responses to the climate emergency, by deliberating on and co-designing a set of key solutions to bring about the immediate shifts and longer-term transformational changes which are so desperately needed. The Roundtable laid the foundations for a concerted and solutions-oriented response to the climate emergency, by building a coalition of actors and agreeing on key principles and next steps.

### 4th July, Moscow – Emotional Intelligence

The Russian Association for the Club of Rome organised an event entitled "Emotional intelligence in the context of the global problems of mankind", in collaboration with the Institute of Economic Strategies of the Russian Academy of Sciences and the International Institute of Advanced Systems

### July 5th, London – E3G Climate Frontiers Forum

Co-President **Sandrine Dixson-Declève** moderated three panels on Sustainable Infrastructure, Avoiding Gas Lock-In and Financing a Just Transition, respectively, at London Climate Action Week 2019's the closing event.

### 8th July, Barcelona – Digital for Life

Club of Rome member **Carlos Alvarez-Pereira** spoke about digitalisation and sustainability in times of Climate Emergency.

### 13th July, Beijing

Club of Rome member **Jinfeng Zhou** spoke at the 10th China Steel Industry, Energy Conservation and Emission Reduction Forum, in Beijing.

### 13th – 15th July, Shenzhen City

Club of Rome member **Jinfeng Zhou** participated in the **11th International Youth Summit on Energy and Climate Change in Shenzhen City, China.**

## 22nd – 24th July, Tallinn

Club of Rome member **Gunter Pauli** led a training course on Environmental Education in Tallinn, Estonia.

## 24th – 26th July, Riga

Club of Rome member **Gunter Pauli** led a three-day training course for teachers in Riga, Latvia, entitled "Promoting School Student's Cognitive Activity and Creativity in Learning About Forests".

## 26th July, Hamburg – EIT Climate-KIC Community Summit

Club of Rome Co-President, **Sandrine Dixson-Declève** gave a keynote speech entitled "Playing with fire – Treading on thin ice" at the closing event of EIT Climate-KIC's Journey summer school.



## 31st July, Yokohama - ISAP Conference

Club of Rome Co-President, **Sandrine Dixson-Declève**, spoke at the International Forum for Sustainable Asia and the Pacific in Yokohama, Japan.

## July, Croatia

The Croatian Association of the Club of Rome elected Hrvoje Kraljevic as its new president. He is also president of the Croatian Mathematical Society and was a visiting professor at several European and American universities, Minister of Science and a two-term member of the Croatian parliament.

## August

## 5th- 9th August, Lausanne – International Fridays For Future Conference

More than 450 young climate strike activists from 37 European countries, among them Greta Thunberg, gathered in Lausanne for the International Fridays For Future Conference. Honorary President of the Club of Rome, **Ernst von Weizsäcker**, gave a keynote speech and took part in the official press conference alongside Thunberg.



## 7th August, Kasugai – Japanese Association of the Club of Rome launched

The Japanese Association for the Club of Rome was officially launched on 7th August 2019 at Chubu University in Kasugai, Japan. Following inspirational welcoming speeches by Chubu University Chancellor Atsuo Iiyoshi and President of CoR Japan **Yoshi Hayashi**, CoR International Co-President **Sandrine Dixson-Declève** delivered a keynote speech entitled "Emerging from Emergency: A convergence of tipping points".

### 9th – 16th August, Neudietendorf - Summer Academy for Pluralist Economics

The Club of Rome was an organising partner of the 3rd Summer Academy for Pluralist Economics "Economics in Transformation". The Academy convened 100 young people from across Europe to discuss alternative economic thinking through a series of workshops and lectures.



### 13th August, Beijing

Club of Rome member **Jinfeng Zhou** gave a keynote speech at a Forum on "International Organisation Talent Cultivation: Policy, Practice and Teaching", at Beijing University, China.

### 27th August, Madhya Pradesh - Regenerating Natural Capital: Land and Water

The Indian Association of the Club of Rome organised a seminar on "Regenerating Natural Capital: Land and Water". It brought together thought leaders to help identify the kinds of existing or proposed policies that have countervailing or counter-productive implications for land and water security, and to formulate ways to bring some coherence among these and formulate strategies for rationalising them.

### 29th August, Alpbach – The "How To" in building future-ready businesses"

Club of Rome Co-President, **Sandrine Dixson-Declève** spoke at a symposium on "future-ready businesses" at the 2019 Alpbach Forum in Austria.

### 29th August, Singapore – The Economist Safe Cities Summit

Club of Rome member **Chandran Nair** participated in a discussion entitled "The safety of the many and the privacy of the individual" at The Economist Safe Cities Summit in Singapore.

## September

### 2nd September, Prague - New Trends in Artificial Intelligence

The Czech Association of the Club of Rome organised an informal discussion on Artificial Intelligence with Prof. Marik Cvut.

### 3rd September, Winterthur – Film Screening

The Club of Rome participated in a film screening evening on tropical rainforests, as part of the Swiss Green Economy Forum 2019, in Winterthur. The film "Kongo-Schutz für den Gorillawald" was followed by a panel discussion with **Claude Martin**, Club of Rome member and author of "On the Edge: the state and fate of the world's tropical rainforests", a report to the CoR.

### 12th September, Paris – Open Source Climate Foundation roundtable

The Club of Rome was a partner to a roundtable organised by OS-C (Open Source Climate Foundation) on "Building an Open Source Modeling and Data Platform for Climate-Integrated Investing and Banking" in Paris on 12th September. The roundtable's objective was to begin to build a non-profit platform to integrate economic transition and physical factors related to climate change into portfolio construction, asset allocation, security selection, and others.

### 16th – 18th September, Pennsylvania – Project Drawdown International Conference

The Club of Rome participated in Project Drawdown's first international conference, at Pennsylvania State University. The term "drawdown" is the point at which concentrations of greenhouse gases in the atmosphere begin to steadily decline, ultimately reversing global warming. Speakers included Club of Rome Co-President **Sandrine Dixson-Declève** and member **Paul Shrivastava**.

### 19th September, Barcelona

The Barcelona office of the CoR organised an event on Transhumanism with Prof. Francesc Torralba.

### 23rd September, New York - Planetary Emergency Plan launched'

The Club of Rome launched the Planetary Emergency Plan in New York, during the UN Climate Action Summit in September 2019. The Plan, issued by the CoR with the scientific support of the Potsdam Institute for Climate Impact Research (PIK), sets out 10 urgent commitments to save our global commons and immediate underpinning actions for the necessary social and economic transformations needed to secure the long-term health and well-being of people and planet.

1: See also page 28

### 23rd September, New York - Meeting of National Associations

The U.S. Association of the Club of Rome convened a gathering with the CoR Canadian and Mexican Associations in New York, entitled "Sustainable Development Goals: Achievements and Future Priorities". The gathering was preceded by a meeting of the Chairs of the North American Associations and Club of Rome International Co-President Sandrine Dixson-Declève.

### 26th September, Brussels - European Research and Innovation Days

CoR Co-President, **Sandrine Dixson-Declève**, and members **Kate Raworth** and **Carlos Alvarez-Pereira** spoke at the European Commission's Research and Innovation Days. Their interventions were part of a broader initiative being pursued by the CoR with the Commission, which includes a discussion paper on "Redefining Prosperity" drafted for the Commission's R&D Directorate.



| October |

### 4th October, Doorn - Inner Clean-Up for Outer Transformation

The Dutch Association of the Club of Rome co-organised an event entitled "The Big Cleanup Experiment".

### 4th – 5th October, Dubrovnik – Transition to a Sustainable Knowledge Society

The Slovenian Association of the Club of Rome co-organised a session entitled "Transition to a sustainable knowledge society: educational, technological and social challenges" at the 14th SDEWES conference in Dubrovnik, Croatia. 570 scientists, researchers, and experts in the field of sustainable development from 55 countries took part in the conference. The session was organised by the President of the Slovenian Association, Prof. Aleksander Zidanšek and Club of Rome Honorary Member, **Prof. Ivo Šlaus**.

### 6th October, Oxford - Altius Conference: Organising society for the 21st Century

Honorary President Ernst von Weizsäcker gave a speech entitled "Can democracies handle the climate crisis?" at the 6th Altius Conference in Oxford, UK.

### 7th October, Brussels – EIB letter spearhead by The Club of Rome

The Club of Rome spearheaded a letter addressed to the European Investment Bank (EIB), calling on it to deliver on its recent proposal to stop investing in fossil fuel projects by the end of 2020. The Potsdam Institute for Climate Impact Research and the We Mean Business Coalition were among the signatories of the letter, which included leading businesses, investment groups and scientific institutions. The EIB proposal echoes the calls to shift away from fossil fuel investments in The Club of Rome's Climate and Planetary Emergency Plans.

### 7th October, Hamburg - Climate Summit of Generations 2019

The Climate Summit of Generations, under the motto "Stop re-financing the climate crisis! Support science and solutions that benefit our society and economy!", was organised by the Club of Rome, Oikos, the University of Hamburg and the University of Dublin. It took place at the Universität Hamburg. Associate Member **Jörg Geier** gave a speech on "Pragmatic Utopias and Impact Entrepreneurship".

### 8th October, Belfast – Annual Peace Lecture

CoR Co-President **Mamphela Ramphela** gave the Annual Senator George J. Mitchell Peace Lecture at Queen's University in Belfast. The title of her lecture was "Interconnectedness for peace in our times".

### 9th October, Gaobeidian – International Conference on Passive Houses

Honorary President Ernst von Weizsäcker gave a speech entitled "Frame conditions for climate friendly buildings" at the International Conference on Passive Houses in Gaobeidian, China.

### 15th October, Brussels - Sustainability in the EU: The State of Play

Club of Rome co-president, **Sandrine Dixson-Declève**, reiterated the urgent need for transformational action on climate change, biodiversity loss and human health and well-being at an event co-hosted by GLOBE EU, The Club of Rome and the Ellen MacArthur Foundation at the European Parliament in Brussels. Speaking on a panel alongside security expert, Tom Middendorp, MEP Sirpa Pietikäinen and Joss Blériot from the Ellen MacArthur Foundation, she was honest in her appraisal of the state of play: "Time is up".

### 17th October, Linz

Honorary President **Ernst von Weizsäcker** gave a speech entitled "Come On! Climate protection much more important than national selfishness" at an anniversary event for the report in Linz, Austria.

## 18th – 19th October, Bruck - Der ermutigte Mensch

The Club of Rome Carnuntum organised a seminar on the importance of self-reflection and “inner climate change” in achieving sustainable development, in Bruck, Austria.

## 18th – 19th October, Beijing – Ecological Civilisation Centre

Club of Rome member **Zhou Jinfeng** and Limits to Growth co-author, **Jorgen Randers** were chosen as co-chairs of the new Ecological Civilisation Centre at Beijing University, China.

## 23rd October, Stuttgart – Congress on Resource Efficiency

Co-President, **Sandrine Dixson-Declève** spoke at the Congress on Resource Efficiency, reiterating the critical need for urgent action to confront the Planetary Emergency. She spoke alongside Winfried Kretschmann, Minister President of Baden-Wuerttemberg and Explorer Robert Swan OBE.

## 23rd – 24th October, Geneva – World Resources Forum 2019

Club of Rome Honorary President, **Ernst von Weizsäcker**, and member **Bas de Leeuw** spoke in the plenary of the World Resources Forum 2019 in Geneva, Switzerland. Von Weizsäcker also gave a keynote address entitled “Climate: Getting the license to operate”.

## 25th October, Brussels - The Greening of Europe

President Emeritus of the CoR-EU Chapter, **Mark Dubrulle**, gave the organisation's Annual Aurelio Peccei lecture “The Greening of Europe: A Journey through 50 years Environmental Action”, at an event in his honour. CoR-EU Honorary President and European Council President Emeritus **Herman Van Rompuy**, CoR International Co-President, **Sandrine Dixson-Declève** also spoke at the event.

## 27th – 29th October, Berlin - World Health Summit

The Club of Rome was civil society partner of the World Health Summit 2019. The Summit aims to improve global health through collaboration and open dialogue, and steering tomorrow's agenda to improve research, education, healthcare, and policy outcomes.

## November

## 4th – 8th November, Cape Town - Club of Rome AGM and Summit

The Club of Rome held its Annual General Meeting, Public Conference and parallel Youth Summit at Spier Estate in the winelands of Stellenbosch, South Africa, between 5th – 6th November. The gatherings convened Club members and other delegates, including many young entrepreneurs, sustainability professionals and academics from across the African continent and beyond. The discussions which ensued were deeply enriching, and the conference's outcomes, as well as the numerous partnerships it fostered, will enable The Club to broaden the horizons of its work beyond its traditional European borders.

## 8th November, Zaragoza

The Aragonese Group of the Club of Rome organised an event entitled “Positioning of Young People Regarding Climate Change and the SDGs” in Zaragoza, Spain.

## 9th – 10th November, Kyiv – Kyiv International Economic Forum

Honorary President **Ernst von Weizsäcker** spoke at the Kyiv International Economic Forum, co-organised by the Ukrainian Association of the Club of Rome, to an audience of over 2,000 people. His intervention came on a panel discussion entitled “How Climate Change Will Change your Business”.

## 11th – 13th November, Belgrade - Conference on Future Education

The 4th International Conference on Future Education was co-organised by the Serbian Chapter of the Club of Rome. Members **Carlos Alvarez-Pereira**, **Nora Bateson**, **Mariana Bozesan**, **Yi Heng Cheng**, **Enrico Giovannini**, **Heitor Gurgulino de Souza**, **Robert Hoffman**, **Garry Jacobs** and **Momir Durović** were all in attendance, as were members of the Serbian Chapter of the Club, **Jasna Atanasijević**, **Dragan Duricin**, **Nebojša Nešković**, **Radmilo Pešić** and **Dragan Simeunović**.

## 11th November, Rohrau

The Club of Rome Carnuntum organised an event entitled “The Culture of Sustainability: The Sustainability of Culture”, in Rohrau, Austria.

## 12th November, Rome – Annual Aurelio Peccei Lecture

Robert Watson gave the Annual Aurelio Peccei Lecture in Rome, under the heading “Nature, Climate, Economics: The Global Pact for the Future”.

## 13th November, Brussels - Climate Change and Business: Time to Act!

Co-President **Sandrine Dixson-Declève** spoke on a panel with Fridays 4 Future representative Linus Steinmetz, emphasising the urgent need for divestment from fossil fuels, specifically with regards to the EIB's decision to stop lending to fossil fuel projects.

## 14th November, Brussels - Politico Sustainable Future Summit

Co-President **Sandrine Dixson-Declève** spoke on a panel entitled “Short-term vision versus long-term benefits: what's the right balance?”, alongside representatives from the European Commission, Finnish Government and Business Europe lobby.

## 15th November - Club of Rome Commends EIB

The Club of Rome applauded the EIB's landmark decision to pull out of all unabated fossil fuel financing by 2021. As the world's largest public financing institution, the decision has put the EIB on the right side of history and secured its status as Europe's Climate Bank. It follows calls from businesses, investors, civil society and scientific institutions to stand firm on its draft proposal published in July 2019, including an open letter from The Club of Rome and 30 supporting partners. The decision also echoes the Call to Action 1 in both the CoR's Climate and Planetary Emergency Plans.

### 19th November, Brussels - Finance Watch Annual Conference

Co-President **Sandrine Dixson-Declève** opened a panel entitled "Sustainability: Moving towards a sustainable financial system: What's next?", with a keynote speech at the Finance Watch Annual Conference 2019.

### 20th November, Brussels – G-STIC Conference

Co-President **Sandrine Dixson-Declève** and member **Enrico Giovannini** spoke at the GSTIC Conference 2019. Dixson-Declève made an urgent call for targeted action to address the planetary emergency, saying: "Our moonshot is planet earth".

### 20th November, Brussels - Towards a Sustainable Financial Ecosystem

The Club of Rome EU-Chapter organised an event in honour of Bernard Lietaer, at Triodos Bank in Brussels. Interventions and small roundtables focused on emerging thinking on how to create a more stable financial system at the service of people and planet. Discussions addressed the issue of alternative or complementary currencies such as Libra, and decentralised technologies such as Blockchain, and asked how they might foster sustainability.

### 20th November, Barcelona

The Barcelona Group of the Club of Rome organised an event entitled "The Mediterranean region facing climate and environmental change: is there time to adapt?".

### 21st November, Zaragoza

The Aragonese Group of the Club of Rome organised an event on the circular economy with Antonio Valero, Club of Rome member and Director of the Circe Institute, as a speaker.

### 22nd November, Bilbao

The Basque Group of the Club of Rome organised an event on "The Future of Education", which included a speech by Jorge Arévalo, Deputy Minister for Professional Training in the Basque Government.

### 26th November, Edinburgh - Angus Millar Lecture

Co-president **Sandrine Dixson-Declève** delivered the 2019 RSA Scotland Angus Millar Lecture. She presented The Club of Rome's Climate and Planetary Emergency Plans, explaining how they provide the key levers of change to secure the future of people and planet. The event was chaired by **Katherine Trebeck**, Knowledge and Policy Lead for the Wellbeing Economy Alliance.

### 27th November, London – Strategy Workshop on Planetary Emergency Plan

Following the successful launch of the Planetary Emergency Plan in New York in September, The Club of Rome hosted a workshop at Chatham House in London, in partnership with WWF-UK. It convened a broad coalition of partners to co-design a strategy to influence key decisions and political outcomes across the 'super year' of 2020, in order to create the enabling conditions for a Planetary Emergency Declaration and sign-on to the Plan by the end of the year.

### November, Madrid

The Spanish Chapter of the Club of Rome organised a series of events in Madrid throughout November:

11.11 - "Governance of the Agreements to Combat Climate Change"

25.11 - "The Climate Emergency and its Governance"

25.11 - "Deglobalisation, Relocation and New Consumption Behaviours"

26.11 - "Economic Opportunities and the Climate Emergency"

## December

### 2nd December, Bratislava - Global Existential Risks

The Slovak Association of the Club of Rome co-organised the 9th International Conference on Global Existential Risks, in cooperation with the Slovak Society for the Environment, the Institute of Economic Research, The Mathematical Institute and others.

### 2nd December, Brussels – NGOs call on ECB to act on climate change

The Club of Rome was among a group of NGOs who met with the new President of the European Central Bank (ECB), Christine Lagarde, to hand over an open letter signed by over 160 NGOs calling on the Bank to act on climate change. Co-President **Sandrine Dixson Declève**, who attended the meeting, said "It is high time for the ECB to show leadership in shifting financial flows towards a low-carbon, equitable economy and take the climate crisis seriously. To do so, the ECB must follow EIB leadership and pull out of all unabated fossil fuel





financing by 2021. This will reinforce the EIB's message across the globe that the greatest financial risk is investing in stranded high-carbon assets and not taking the human and material costs of climate change seriously". Lagarde subsequently confirmed that climate change will be on the agenda of the ECB's review next year.

### 3rd December, Berlin – Regional Network Sustainability Strategies (RENN)

Club of Rome member **Petra Künkel** gave a keynote speech at the RENN Forum in Berlin.

### 3rd December, Louvain-La-Neuve – Move For Tomorrow

Co-President **Sandrine Dixson-Declève** gave a keynote speech to students at the Catholic University of Louvain in Belgium, on addressing the climate emergency.

### 4th December, Ottawa - Hard Truths, Realities and Possibilities

Members of the Canadian Association of the Club of Rome, **Rob Hoffman, John Hollins and Gordon Kubanek** presented the results of the Pathways Project, at a panel discussion in Ottawa.

### 5th December, Tallinn - Annual Conference of the Estonian Association

The Estonian Association of the Club of Rome hosted its annual conference under the banner "The role of small countries in the global world". It brought together Estonian and international leaders, including **Ms Tarja Halonen**, President of Finland from 2002-2012, and member of the Club of Rome.

### 9th December, Madrid – Club of Rome hosts session at COP25

The Club of Rome hosted a session at the COP25 Madrid entitled "Planetary Emergency call to action: Emergence from Emergency". The panel was made up of members **Carlos Alvarez-Pereira, Dr. Michael K. Dorsey** and Co-President **Sandrine Dixson-Declève**, as well as associate member **Cristina Manzano**.



### 11th December, Barcelona

The Barcelona Group of the Club of Rome organised an event entitled "Dialogues for Interculturality", with President and Associate Member, Jaime Lanaspá in attendance.

### 11th December, Brussels – Club of Rome issues Open Letter to European Commission on European Green Deal

Following the European Commission's release of official policy outlines for its flagship European Green Deal, the Club of Rome sent an **open letter and policy paper** to its freshly appointed President, Ursula von der Leyen, Vice-President Frans Timmermans, and the college of Commissioners. The letter insisted that the European Green Deal could be a game-changer for Europe and European citizens, but that only truly transformational change reflecting the depth of the planetary emergency and necessary paradigm and systems shifts, will enable it to achieve its stated objectives.

### December, Madrid

The Spanish Chapter of the Club of Rome organised a series of events across the month of December:

- 05.12. – "Adaptation and Resilience to the effects of Climate Change in Spain"
- 16.12. - "Digitalisation and new Types of Economy"
- 18.12. – "Rural Development in Spain: A priority transition"

# The Club of Rome Annual Summit In South Africa

On 5th and 6th November, The Club of Rome held its first Annual Conference in sub-Saharan Africa. The event marked a milestone in the Club's history, as it sought to reconnect with the "Mother Continent" and broaden its reach beyond its traditional European heartlands, channeling the spirit of ubuntu and opening its perspectives to the voices of younger generations.

**Members and delegates** – entrepreneurs, sustainability professionals, academics and policy experts from across the African continent and beyond - gathered at Spier estate in the winelands of Stellenbosch, near Cape Town, for two days of enriching and engaging discussions. These revolved around the four guiding themes of the Club's work: Climate-Planetary Emergency; Reclaiming and Reframing Economics; Rethinking Finance and Emerging New Civilisation.



**The voices of** younger generations were brought to the fore through the Club's very first Youth Summit, held in parallel to the AGM. Young entrepreneurs, thought-leaders and policy experts gathered to debate and share novel, progressive perspectives on the guiding themes of the Club's work. These were then infused into the public CoR Summit on the following day, where selected youth delegates joined panelists for lively and open dialogues on the topics at hand.

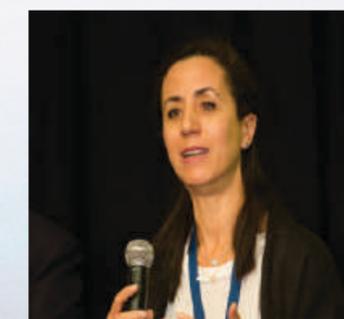


**The rich discussions**, combined with the numerous partnerships fostered by the Summit, provided the Club with novel contexts and insights with which to implement its guiding vision of operating as a Platform of a rich diversity of Thought leaders and Activists able to collaborate in the promotion of our agreed thematic program.

**The Club's work** will continue to be implemented through its Impact Hubs which will bring together members, policy makers,

private sector actors, scientists, civil society activists, and young leaders. We are committed to broadening the scope of our work and network to the African continent. This ambition will, amongst others, be carried forward by a new regional CoR Hub in Africa, through which thought leaders, change-agents and youth from across Africa will be able to co-create tailored solutions within their local contexts. We will redouble our efforts to promote intergenerational conversations that will build on the Cape Town Youth Summit, as well as weaving in the engagements with young people in Europe and across the globe.

**For a more** in-depth account of the Summit please see the comprehensive video footage here.



# The Planetary Emergency Plan

In September 2019, The Club of Rome launched The Planetary Emergency Plan on the sidelines of the UN Climate Action Summit in New York. The Plan, which was drafted in partnership with the Potsdam Institute for Climate Impact Research (PIK), provides a set of key policy levers addressing the cross-cutting challenges of climate change, biodiversity loss and human health and well-being. It outlines a vision of transformation and regeneration, a roadmap for governments to set in motion a decade in which the development path of our planet is steered onto one which is inherently beneficial for all living species, leaving no one behind.

**Its framing is simple yet compelling** - a catalytic intervention designed to spur emergency action at the highest levels of decision-making. It is a novel contribution to the emergency debate, recognising the inextricable interconnectedness of the three challenges referred to above and providing an alternative approach to conventional siloed policy action. Concretely, it combines a focus on protecting and restoring our Global Commons with implementing a series of economic and social transformations to guarantee the long-term health and well-being of people and planet.

**The Plan was** launched in the presence of a number of Heads of State and Government (Austria, Bhutan, Central African Republic, Costa Rica, Fiji, Monaco, Norway, Seychelles, UK) as well as First Vice-President of the European Commission for the European Green Deal, Frans Timmermans. The presentation of the Plan was part of an overall strategy to secure high-level commitments to a New Deal for People, Nature and Climate in 2020. This would be underpinned by the adoption of a Planetary Emergency Declaration and concomitant Action Plan in the course of 2020, considered a “super year”, with critical high-level political decisions due on climate, nature and sustainable development.

**The combination of** the launch with another supporting event in New York (the Nature4Climate Hub), enabled the Planetary Emergency Plan to be infused into international discussions on climate, biodiversity and sustainable development, providing The Club of Rome with unprecedented entry-points at the highest levels of decision-making. This was particularly exemplified by an invitation extended to The Club of Rome by First Vice-President Timmermans’ cabinet to meet in Brussels and jointly explore how the Planetary Emergency Plan could be a guide for crafting the new European Commission’s flagship policy proposal, the European Green Deal (EGD).

**The Club also** held a series of advisory meetings with the cabinet of the President of the European Commission, Ursula von der Leyen. Leveraging its network of thought leaders and practitioners, the Club distilled a wealth of knowledge, insight and policy

proposals into an open letter and policy paper addressed to the cabinet, in view of the publication of a broad-strokes communication on the EGD on 11th December 2019. The document was based on the ten-year action framework outlined in the Planetary Emergency Plan, and makes concrete calls for transformative action from 2020 onwards, while also calling for the longer-term systemic shifts needed to truly emerge from the planetary emergency.

**The Plan will** be a defining pillar of the Club’s work throughout the “super year” of 2020, as it seeks to secure the scale of emergency action required, at the highest levels of decision-making.



# PLANETARY EMERGENCY PLAN

Securing a New Deal for People, Nature and Climate



## 10 COMMITMENTS FOR OUR GLOBAL COMMONS

- By 2030, declare critical ecosystems as Global Commons and protected areas, through a regime of stewardship and co-responsibility by the entire global human community.
- By 2020, set a universal global moratorium on deforestation, using a net-zero deforestation and degradation metric and, by 2025, triple annual investments in forest conservation and forest landscape restoration.
- By 2020, sign an immediate moratorium on developing Arctic oil and gas reserves, support withdrawal from fossil energy exploration and use and establish a Cryosphere Preservation Plan to protect this critical ecosystem more broadly.
- In 2020, significantly enhance public and private finance flows for restoration of critical ecosystems, including by mobilising \$200 billion for the GCF and GEF over the next decade.
- In 2020, halt the decline of critical and vulnerable ocean ecosystems and habitats and secure a robust New Ocean Treaty (under UNCLOS) for the protection and sustainable use of biodiversity in areas beyond national jurisdiction, which constitute half of our planet.
- In 2020, launch a permanent public-private Planetary Emergency fund for the Global Commons building upon the G7 Amazon Emergency Fund and committing the necessary capital to insure humanity against present and inevitable future crises.
- By 2025, require all large publicly-listed and family-owned companies to commit to science-based targets, shift to green investments (climate mitigation and adaptation as well as ecosystems protection and regeneration), disclose using available taxonomies and report according to material risks from the Planetary Emergency.
- By 2025, halt all conversion of wetlands, grasslands and savannahs for the production of agricultural commodities and triple annual investments in their effective protection, restoration and resilience.
- By 2020, introduce financial mechanisms and policy instruments to support local farmers, foresters and indigenous people to secure their livelihoods and to shift to regenerative agriculture, sustainable forestry and other sustainable land-use practices.
- By 2020, ensure all sovereign wealth funds commit to defunding deforestation and, by 2025, halt all investments driving continued deforestation and unsustainable land-use change of intact and irreplaceable ecosystems.
- By 2020, introduce financial mechanisms and policy instruments to support local farmers, foresters and indigenous people to secure their livelihoods and to shift to regenerative agriculture, sustainable forestry and other sustainable land-use practices.

## 10 URGENT ACTIONS FOR THE TRANSFORMATION

- |   |   |  |
|---|---|--|
| <p><b>TRANSFORMING ENERGY SYSTEMS</b></p> <ol style="list-style-type: none"> <li>Halt all fossil fuel expansion, investments and subsidies by 2020 and shift investments and revenues to low-carbon energy deployment, research, development and innovation.</li> <li>Continue the doubling of wind and solar capacity every four years, and triple annual investments in renewable energy, energy efficiency and low-carbon technologies for high-emitting sectors before 2025.</li> <li>Set a global floor price on carbon (&gt;30 USD/ton CO2 and rising) immediately for developed countries and no later than 2025 for the most advanced transition economies, that internalises high-carbon energy externalities in all products and services.</li> </ol> | <p><b>SHIFTING TO A CIRCULAR ECONOMY</b></p> <ol style="list-style-type: none"> <li>Agree in 2020 to halve consumption and production footprints in developed and emerging economies and close loops in inefficient value chains, by 2030.</li> <li>Internalise externalities in unsustainable and high-carbon production and consumption through targeted consumption taxes and regulation, as well as consumption-based accounting, by 2025.</li> <li>Develop national and cross-national roadmaps for all countries towards regenerative land-use and circular economies, including a reduction in global carbon emissions from basic materials to net-zero, by 2030.</li> </ol> | <p><b>CREATING A JUST AND EQUITABLE SOCIETY FOUNDED IN HUMAN AND ECOLOGICAL WELL-BEING</b></p> <ol style="list-style-type: none"> <li>Introduce economic progress indicators that include socio-ecological and human health and well-being by 2030, recognising that the latter depends on the flourishing and stewardship of natural ecosystems.</li> <li>Provide legal tools by 2025 that allow indigenous, forest and tribal communities to secure their rights to traditional land, recognising their vital role as stewards of these lands in mitigating climate change and ecosystem degradation. Such mechanisms must include funding and legal aid to guarantee that these communities have access to justice.</li> <li>Shift taxation from labour to the use of all natural resources, final disposal, emissions to land, air and water by 2020.</li> <li>Establish clear funding and retraining programmes for displaced workers, rural and industrial communities by 2025.</li> </ol> |
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# Club of Rome Support of Global Student Climate Protests

In March 2019, as the movement of student climate strikers was reaching its apex and recognition of the climate emergency was growing by the day, the Club of Rome issued a Statement in Support of the Global Student Climate Protests (see below). In it, the Club acknowledged the students' concerns as utterly justified and called on governments to listen to the call for urgent action from young people, scientists and experts across the globe and translate these calls into concrete Emergency Plans. The statement was posted on the Club's website and social media channels, and sent to leaders of the European Council, Commission, Parliament and EU Member State governments..

## Statement in Support of Global Student Climate Protests

| Winterthur, Switzerland, 14th March 2019

*People always tell me that they are so hopeful that young people are going to save the world. But they are not. There is simply not enough time to wait for us to grow up and become the ones in charge.*

- Greta Thunberg

This week, hundreds of thousands of students in multiple cities across the globe will once again follow in the brave footsteps of Greta Thunberg by staging climate demonstrations. Their call to world leaders is simple yet true: "it is time for less talk and more action on the climate".

We deem the students' concerns to be utterly justified and irrefutable and will continue to play our role in ensuring ambitious climate action. These courageous young leaders point to challenges for the planet and humanity which have long been recognized by the scientists, economists, business leaders and experts within the Club of Rome.

It has been 50 years since the "The Limits to Growth", which alerted the world to the acute environmental and demographic challenges ahead. Decades of exponential growth in both population and consumption are now colliding with the limits of the Earth's biosphere. We concur with the Extinction Rebellion and the student protesters that we cannot turn a blind eye to the dual tipping points of species extinction and climate change. Emergency action is more necessary than ever and cannot be put off any longer. We no longer have the luxury of time!

**We know the facts.** We have the solutions. We just need the political will. Global action is lagging and is often woefully inadequate, stymied by political meandering. This is why we are calling on governments across the world to listen to the call for urgent action from young people, scientists and experts and translate these calls into concrete Climate Emergency Plans with clear targets and time lines. To avoid the worst outcomes, global carbon emissions must be cut by half by 2030 and to zero by 2050. For the wealthier nations, this increases to around 80% by 2030, with full de-carbonisation less than a decade later. This is an unprecedented task, requiring a reduction rate of at least 7% annually; no country has to date achieved more than 1.5%.

**The only possible response** is emergency action that will transform human social, economic and financial systems. Yet we also believe that the existential threat from climate change, if heeded now, offers the possibility for a societal renaissance of unprecedented proportions. This is the vision we seek to promote – a vision of the future, which ensures well-being for the many and harmony between humanity and the planetary boundaries that protect us. A vision which speaks to the calls from young people marching on the streets in towns and cities across the world.

**Engaged citizens of all ages** demanding action by their politicians on climate change is of paramount importance, to hold us all accountable for delivering on our climate goals and ensuring that we seize this opportunity to sustainably transform our economies.

**Let us find** the vision, the leadership and the creativity to collaborate in developing constructive solutions for a decent future for present and succeeding generations. We have the capabilities: we must now find the will and listen to the enlightened youth who have taken time away from their studies to march on the streets to be heard.



# New Members



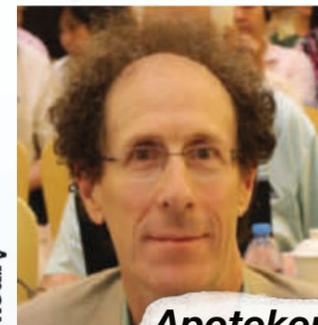
Maria do Rosário

**Almeida Ritter**



Lene Rachel

**Andersen**



Arnaud

**Apoteker**



Gianfranco

**Bologna**



Kerryn

**Higgs**



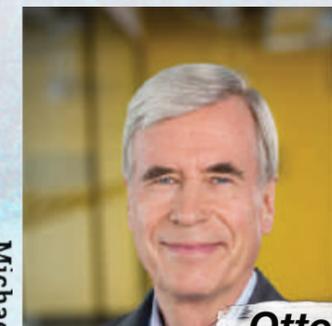
Yoichi

**Kaya**



Charlie

**Kleissner**



Michael

**Otto**

# Publications by Our Members

## When Fake News Kill

by Ugo Bardi, Member of the Club of Rome.

## Migration: A Case for Stay and Build

by Chandran Nair, Member of the Club of Rome

## Why Asia Should Be Worried..

by Chandran Nair, Member of the Club of Rome

## Mindset Change: The Missing Link in Transformation

by Mamphela Ramphele, Co-President of the Club of Rome.

## Amend the Constitution

by Jinfeng Zhou, Member of the Club of Rome.

## Reform and Innovation

by Jinfeng Zhou, Member of the Club of Rome.

## Decarbonisation is Flawed

by Chandran Nair, Member of the Club of Rome.

## The West is Struggling...

by Chandran Nair, Member of the Club of Rome.

## Managing Without Growth

by Peter Victor, Member of the Club of Rome.

## Pattern Analysis of World Conflicts

by Ugo Bardi, Member of the Club of Rome (co-author).

## Improving Humanity's prospects

by Yehezkel Dror, Honorary member of the Club of Rome.

## Sustainability and the Fallacy of Global Governance

by Chandran Nair, Member of the Club of Rome.

## Developing Asia Needs Strong State Intervention

by Chandran Nair, Member of the Club of Rome.

## Toward a New Era of Peace and Disarmament

by Daisaku Ikeda, Honorary member of the Club of Rome.

## Do Red and Green Mix?

by Kerry Higgs, Assoziiertes Mitglied of the Club of Rome.

## Gulf of Mexico estuarine blue carbon stock

by Anitra Thorhaug, Member of the Club of Rome.

## Growthism

by Herman Daly, Honorary member of the Club of Rome.

## International Water Day

by Ruth Bamela Engo, Honorary member of the Club of Rome.

## Vous gagnerez plus avec la bagasse

by Gunter Pauli, Member of the Club of Rome.

## The Main Content and Efforts of CBCGDF's Work

by Jinfeng Zhou, Member of the Club of Rome.

## Climate Change from Blue Carbon

by Anitra Thorhaug, Member of the Club of Rome.

## China - Climate Emergency Plan

by Jinfeng Zhou, Member of the Club of Rome.

## Time for emerging Asian powers to help set global rules

by Chandran Nair, Member of the Club of Rome.

## Anticipation, Agency and Complexity

by Carlos Alvarez Pereira and Sirkka Heinonen, Mitglieds des Club of Rome (contribution to the book)

## Let's be as intelligent as Nature

by Gunter Pauli, Member of the Club of Rome.

## Devastation of recent floods demands that we rethink our climate strategy

by Mamphela Ramphele, Co-President of the Club of Rome.

## Blue Economy 3.0 French edition

by Gunter Pauli, Member of the Club of Rome.

## Moral and Ethical Leadership

by Obiora Ike, Member of the Club of Rome.

## Die Energiewende in Europa

by Peter Hennicke, Member of the Club of Rome.

## Why our politics needs a good dose of Femininity

by Mamphela Ramphele, Co-President of the Club of Rome.

## Affordable Housing as Human Right

by Chandran Nair, Member of the Club of Rome.

## Marine Gross Ecosystem Product

by Jinfeng Zhou, Member of the Club of Rome.

### What Gives Life to Large System Changes

by Petra Kuenkel, Member of the Club of Rome.

### Exploring and Shaping International Futures

by Barry Hughes, Member of the Club of Rome.

### Time to send in the emergency climate responders

by Sandrine Dixson-Declève, Member of the Club of Rome.

### Time to flick climate emergency switch

by Ian Dunlop, Member of the Club of Rome.

### The Role of Nature in Discussions about Sustainable Development

by The European Research Centre des Club of Rome (contact [erc@clubofrome.net](mailto:erc@clubofrome.net) for free copy)

### We have a responsibility to undo the harm we've done the world

by Kaddu Sebunya, Member of the Club of Rome.

### Biodiversity: The Race to Save Each Other

by Jinfeng Zhou, Member of the Club of Rome.

### Klimawandel und Klimaschutz - Methanol hilft

by Franz Josef Radermacher, Member of the Club of Rome.

### Ecological Footprint

by Mathis Wackernagel, Member of the Club of Rome.

### 2019 Green Transition Scoreboard

by Hazel Henderson, Honorary member of the Club of Rome.

### The Politics of Connectivity

by Hazel Henderson, Honorary member of the Club of Rome.

### Existential Climate-Related Security Risk - a scenario approach

by Ian Dunlop, Member of the Club of Rome.

### The Third Degree

by Ian Dunlop, Member of the Club of Rome.

### Zero Carbon Sooner

by Tim Jackson, Member of the Club of Rome.

### Democracy, SDGs and Climate Action

Michael Otto, Member of the Club of Rome, was among the signatories of this call to the German government.

### The Climate Movement: What's Next? with contributions

by Anders Wijkman, Kerry Higgs, Riane Eisler, members des Club of Rome.

### Canadian Public Policy on Energy and Emissions

by Robert Hoffman, Member of the Club of Rome.

### Appeal for a European Energy Transition

by Peter Hennicke, Member of the Club of Rome.

### The Circular Economy - a user's guide

by Walter Stahel, Member of the Club of Rome.

### Reuse - Rethinking Packaging

by Ellen MacArthur, Member of the Club of Rome.

### The Jeans Redesign

by Ellen MacArthur, Member of the Club of Rome.

### Religious leaders can kickstart a global anti-plastic movement

by Chandran Nair, Member of the Club of Rome.

### Metamodernity

by Lene Rachel Andersen, Member of the Club of Rome.

### Get the System Right and Let the Kids go Back to School

by Bas de Leeuw, Member of the Club of Rome.

### Spatial variations in contributors to life satisfaction

by Ida Kubiszewski, Member of the Club of Rome.

### Subjective wellbeing at different spatial scales

by Ida Kubiszewski, Member of the Club of Rome.

### Anticipation, Agency and Complexity with contributions

by Sirkka Heinonen and Carlos Alvarez-Pereira, Member of the Club of Rome.

### Foresee the Future - make the Future

by Sirkka Heinonen, Member of the Club of Rome.

### Implications of Quantum Computing

by David Lehrer, Assoziiertes Member of the Club of Rome.

### End game: the economy as eco-catastrophe

by W.E. Rees, Member of the Club of Rome.

### Why Plant based Food Systems

by W.E. Rees, Member of the Club of Rome.

**Future of China**

by Chandran Nair, Member of the Club of Rome.

**Unser Wirtschaftssystem basiert auf diesen 6 Regeln**

by Graeme Maxton, Member of the Club of Rome.

**Die Politik kann das Problem nicht loesen**

by Franz Josef Radermacher, Member of the Club of Rome.

**A new, unorthodox economic model the answer to our unemployment crisis**

by Mamphela Ramphele, Co-President of the Club of Rome.

**The Case for an EU Climate and Nature Czar**

by Sandrine Dixson-Declève, Co-President of the Club of Rome, Anders Wijkman, Honorary President des Club of Rome, and Director des Potsdam Institute for Climate Impact Research (PIK) Johan Rockström.

**Australia's Climate Stance is inflicting criminal damage on humanity**

by Ian Dunlop, Member of the Club of Rome, et al.

**Empresas y Derechos Humanos**

by Gerardo Gil Valdivia, Member of the Club of Rome.

**La Science dans les prétoires**

by Arnaud Apotéker, Assoziiertes Member of the Club of Rome.

**Redefining Prosperity Discussion Paper**

by Ko-Präsidentin Sandrine Dixson-Declève and Member of the Club of Rome, Carlos Alvarez-Pereira

**Socio-economic structural transformation more urgent than ever**

by Mamphela Ramphele, Co-President of the Club of Rome.

**Do we have a permissive atmosphere for lawlessness in South Africa?**

by Mamphela Ramphele, Co-President of the Club of Rome.

**Plan de Emergencia de Accion Climatica Global**

by Gerardo Gil-Valdivia, Member of the Club of Rome.

**6 Strategies for Stabilizing the Planet**

by Petra Künkel, Member of the Club of Rome.

**What does the sharing economy mean for electric market transitions?**

by Noam Lior, Member of the Club of Rome et al..

**Mboko Gang: Youth Helping Youth**

by Ruth Bamela, Honorary member of the Club of Rome.

**Boyhood in Bayfield**

by Andrew Oerke, member of USACOR, and Anitra Thorhaug, Member of the Club of Rome

**Milu Culture in the Era of Ecological Civilization**

by Jinfeng Zhou, Member of the Club of Rome.

**The High Price of Pork Is Not the Fault des Environmental Protection Department**

by Jinfeng Zhou, Member of the Club of Rome.

**How Military Drones are Changing the World**

by Ugo Bardi, Member of the Club of Rome.

**Greta Thunberg Conquers the Memesphere**

by Ugo Bardi, Member of the Club of Rome.

**What does the sharing economy mean for electric market transitions?**

by Noam Lior, Member of the Club of Rome et al.

**Mainstreaming Ethics in Higher Education**

by Obiora Ike, Member of the Club of Rome.

**The Limits to Green Growth**

by Peter Victor, Member of the Club of Rome.

**Reporting on the global phosphorus supply chain**

by Vala Ragnarsdottir, Member of the Club of Rome.

**Regenerating Natural Capital**

by the Indian National Association des Club of Rome

**Before Collapse; a Guide to the Other Side of Growth**

by Ugo Bardi, Member of the Club of Rome.

**Futuribili, edited**

by Alberto Gasparini, Member of the Club of Rome.

**La Agenda 2030 de la ONU**

by Gerardo Gil-Valdivia, Member of the Club of Rome.

**Harvesting Synergies from SDG Interaction**

by Hans Herren, Member of the Club of Rome et al..

**The Bildung Rose**

by Lene Rachel Andersen, Member of the Club of Rome.

**Nurturing Our Humanity**

by Riane Eisler, Assoziiertes Member of the Club of Rome.

**Unraveling the claims for (and against) green growth**

by Tim Jackson and Peter Victor, Member of the Club of Rome.

# Media Coverage (Selection)

## This Could Be The Biggest Scandal Of The Climate Change Era

| *Huffpost, 23rd January 2019*

**Governments and businesses** habitually set out emergency response plans to protect their economies, jobs, cities and other crucial assets from potential disaster. Yet when it comes to climate change – the biggest, most urgent threat the world faces – there is no emergency plan.

## Time to send in the emergency climate responders

| *Euractive, 14th June 2019*

**With a 12-year cap** set by the United Nations' intergovernmental panel of climate scientists, the clock is ticking to limit global warming to 1.5 degrees by 2030. It is crucial that European leaders back the environmental push, writes Sandrine Dixson-Declève.

## The Case for an EU Climate and Nature Czar

| *Project Syndicate, 8th August 2019*

**The new president** of the European Commission, Ursula von der Leyen, has indicated that she intends to confront the climate crisis head-on. In doing so, she must avoid the mistakes of her predecessor, who did not go far enough in expanding the scope for environmental policymaking within the European Union.

## A Climate Emergency Plan

| *June 2019, The Great Transition*

**The Club of Rome** launched its Climate Emergency Plan last October. The two main objectives were to change the tone of the debate and to make crystal clear the kinds of actions needed to meet the Paris Agreement's goal of limiting warming to "well below 2° degrees."

## Global thinkers to meet at Spier

| *Netwerk24, 2nd September 2019*

**Renowned and leading** international think-tank, the Club of Rome (CoR), is set to hold its annual conference and global summit in Stellenbosch later this year with Spier Wine Farm as the host.

## Climate Emergency in Asia

| *NHK World, 3rd September 2019*

**Swedish climate change** activist Greta Thunberg has arrived in New York to make her point at the upcoming UN Climate Action Summit. The head of a global think tank echoes her message that climate change could spell the extinction of the human race. Following a report on how innovative technology may lead to a breakthrough in plastic recycling. Newsline In Depth

presenter Aiko Doden talks with the Ko-President of the Club of Rome about the urgent need to address the climate emergency.

## A Decade Of Action: The Case For A Planetary Emergency Plan

| *The Solutions Journal, 4th November 2019*

**For 10,000 years**, human civilisation has grown and thrived because of Earth's remarkable climate stability and rich biological diversity. In the last 50 years, human activity has severely undermined this resilience. Our patterns of economic growth, development, production and consumption are pushing the Earth's life-support systems beyond their natural boundaries. The stability of these systems—our global commons on which we so fundamentally depend—is now at risk. The science is clear that we are now accelerating towards tipping points and that the consequences of inaction will be catastrophic for humanity. The time to act is running out.

## Club of Rome Summit in Africa: Why Africa should build its economies on renewable energy

| *CNBC Africa, 4th November 2019*

**Leading international think-tank**, the Club of Rome is set to hold its global Summit for the first time in South Africa. The summit will see the gathering of notable scientists, economists, business people and former heads of state to discuss South Africa and Africa's economic landscape, climate change and new models of finance. Joining CNBC Africa for more are the Ko-Presidents of the Club of Rome, Sandrine Dixson-Declève and Dr Mamphela Ramphele.

## Club of Rome Youth Summit on "Our Joint Future" Kicks Off

| *African Wildlife Foundation, 5th November 2019*

**Young people from** all over Africa gathered in Cape Town on November 5, 2019 to participate in discussions that will shape the continent's economic, development, and political future. The conference, dubbed 'Our Joint Future - Lessons From Africa,' is a one-of-a-kind youth summit running in parallel to the Club of Rome's Annual Summit.

## Time for something completely different?

| *Daily Maverick, 6th November 2019*

**This week the** Club of Rome, a leading international think-tank, is meeting in Stellenbosch for its annual conference and global summit. The theme is "lessons from Africa", and here there is much that they can draw on – specifically the concept of ubuntu, which translates roughly as "I am because we are".

## Saving the planet requires a new economic model. It's that simple.

| *Daily Maverick, 8th November 2019*

**"We have lost** our way as a human community," says Dr Mamphela Ramphele, who is Ko-President of the Club of Rome, along with Sandrine Dixson-Declève. "The biosphere is under severe stress. It is appropriate that we have come back to where the human story began to discern the lessons from the mother continent. We need to harvest the wisdom that enabled humanity to evolve here. We need to understand what went wrong and why.

# Outlook: Thematic Program 2020

The Club of Rome has developed a work programme and operational Hub structure around the following five themes, underpinned by concrete projects and sponsorship:

## Climate-Planetary Emergency



Climate change and Biodiversity loss are two of today's most pressing global challenges, constituting an existential threat to humanity. Planning for planetary emergency is a pragmatic response to a known risk and humanity's insurance plan for survival and a positive future. The Limits to Growth alerted the world to the environmental and demographic challenges. The central message was that the quest for unlimited growth in population, material goods and resources, on a finite planet, would eventually result in the collapse of its

economic and environmental systems. That prediction is clearly manifesting in the climate change crisis we are confronted with today. Our historic recognition of the existential nature of this threat, the need for an emergency response, and the opportunity that such planning can present, is the unique contribution which the Club of Rome wishes to bring to the global community. We are calling on governments, business leaders, the science community, NGOs and citizens to rise to the challenge of responding to planetary emergency, so that our species can survive and create thriving civilizations in harmony with planetary boundaries. Acknowledgement of these challenges and opportunities creates the basis for a societal renaissance of unprecedented proportions. This requires swift action and the collective implementation of one of the most comprehensive emergency plans ever contemplated. The Club of Rome believes that such action, difficult as it may be, will create a much healthier, happier, safer and innovative global society.

## Reclaiming and Reframing Economics



A new civilization cannot be advanced by an economic system that has produced much of the current malaise. The metrics applied to human and planetary progress must focus on well-being, extending innovatively beyond

GDP to reflect the true cost, risk and opportunity of human pursuits. The Club of Rome will continue to push for the exploration of a new set of values and principles. The shift from mainstream economics and policy-making based on fundamentally flawed economic theory and indicators promoting a growth-centric philosophy rather than the well-being of people and the planet, is necessary to ensure a reversal of crucial ecosystem, climate and social tipping points. Economics that reflect a New Civilization must go deeper in its cosmology than GDP growth. It must give greater attention to the institutional challenges presented by the need to free humans from servitude to financiers and growth indicators while restoring the health of Earth's regenerative systems and meeting the essential material, social, and spiritual needs of all people.

Rethinking Finance



The global financial system is currently at the service of an outdated economic paradigm. It acts as a means of wealth accumulation for a narrow elite, whilst disregarding the negative externalities of environmental damage and social inequalities. A new, sustainable finance system will be a core pillar

of a new economy which serves both humanity and the planet. The monetisation of all transactions will need to be re-visited to enhance the equitable distribution of wealth and ensure broader well-being of all peoples. This means putting conscious effort and science into moving away from finance as a value system benefiting the few, to accelerating a move toward real economy wealth creation for the many.

Emergence of a New Civilization



A new paradigm is essential to clarify our role as a species within the greater Earth Community. Conversations are needed to agree on core values that promote human dignity, respect for nature and protection of the commons beyond current generations. These would be foundations of a stewardship culture for all we do as a human race. The Club of Rome is repositioning itself to challenge humanity to rise to its full potential and become good stewards of the Earth's limited resources. Our call is anchored in the need for a paradigm shift in our fundamental belief matrix, and the complex economic, financial, social systems underpinning our daily interactions. We are determined to identify and mobilize those already engaged in the quest for a New Civilization to become part of a Network of Networks to pursue this vision.



It is becoming ever clearer that greater intergenerational dialogue and understanding is needed to address some of the most pressing issues facing humanity today. The global student strikes for the climate demonstrates that younger generations are increasingly mobilised and engaged. Many want the same systems change dynamics as the members of the Club of Rome and fundamental shifts in our current economic, political, and social systems. In this respect, there is growing interest in the Club's holistic, interdisciplinary approach and its growing desire to serve as an influencer both through thought leadership and action.

# Expression of Gratitude

## Robert und Ruth Heuberger-Stiftung

**SUN** Institute  
 Environment & Sustainability  
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