

# THE CLUB OF ROME:

COVID 19 A SYMPTOM OF THE PAST – AN OPPORTUNITY TO SHIFT!

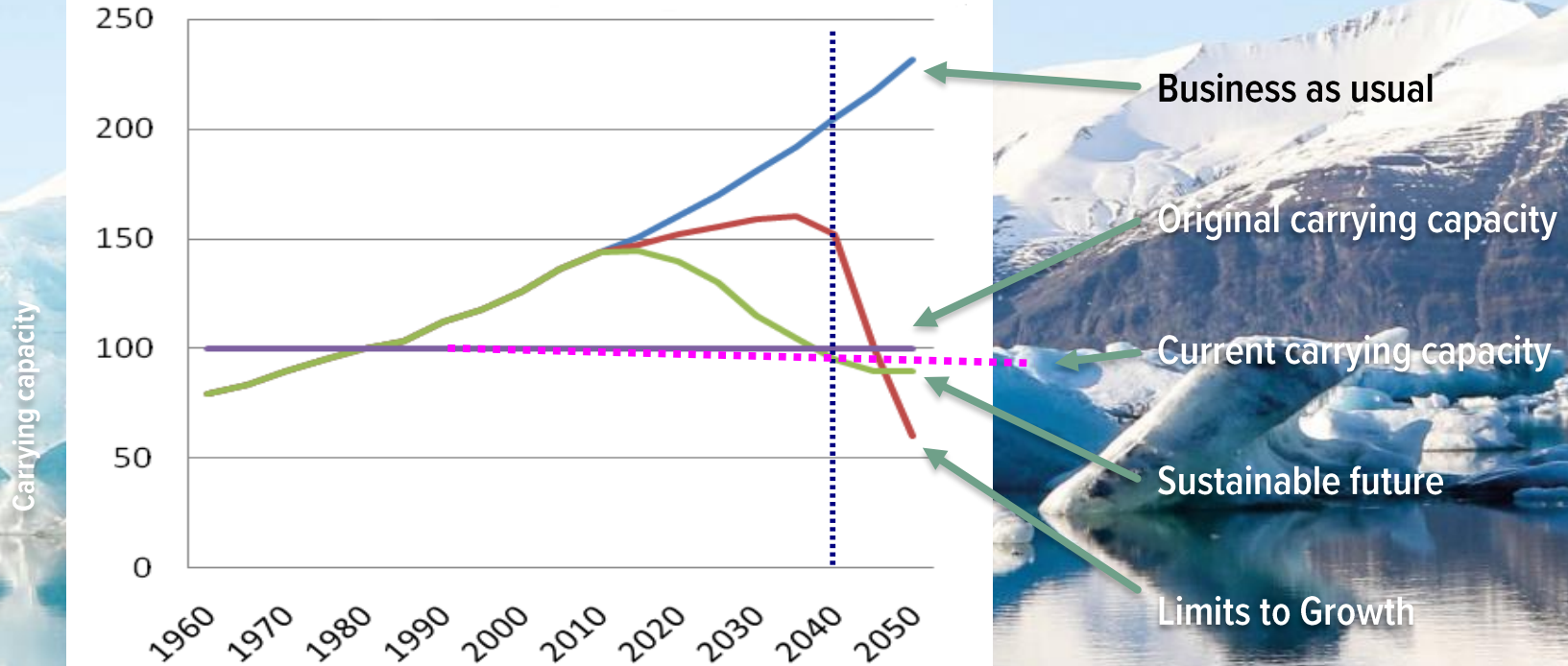


**Sandrine Dixson-Declève**, President, The Club of Rome

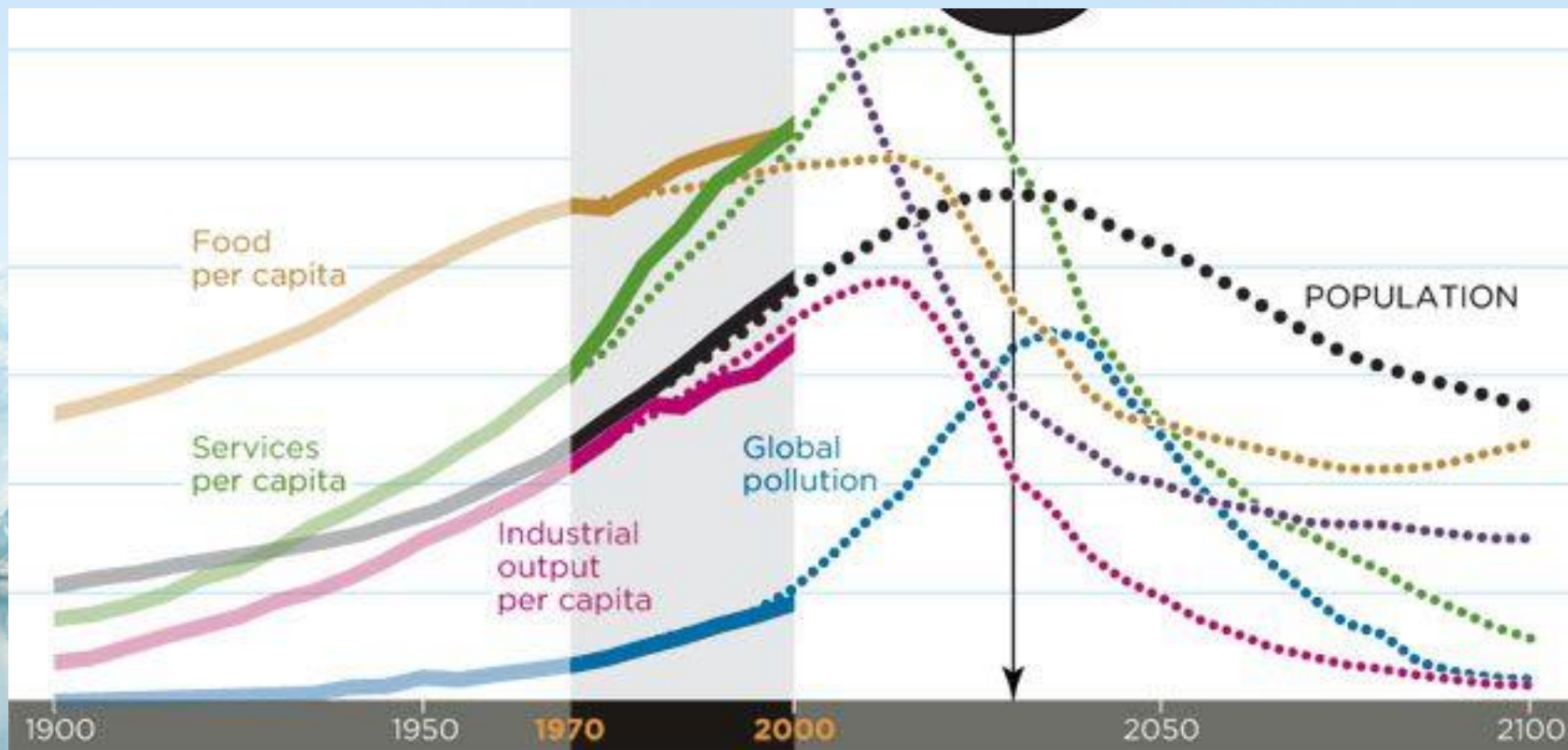
# THE LIMITS TO GROWTH – 1972



Policy Options



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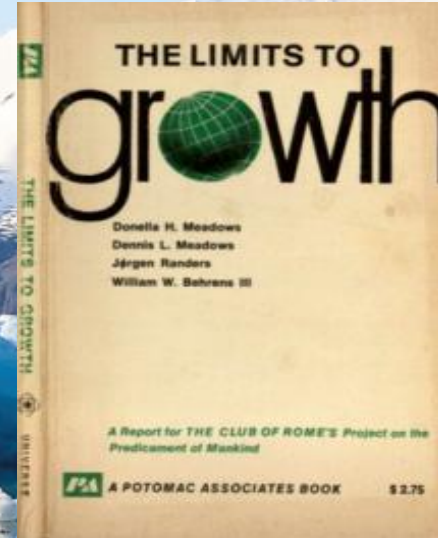




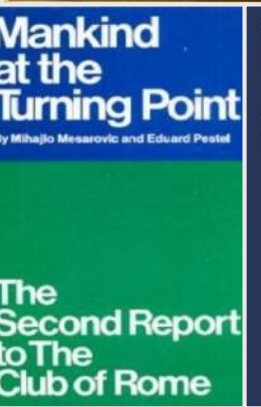
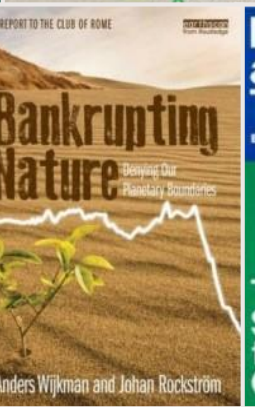
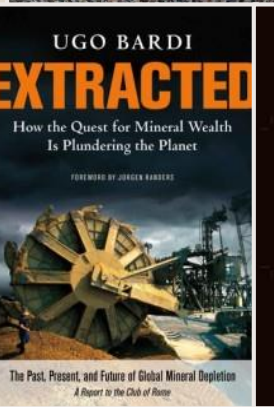
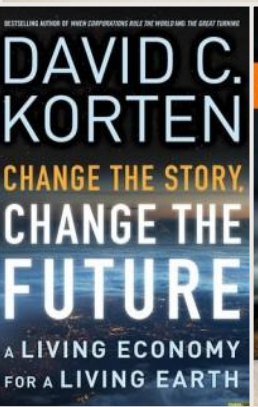
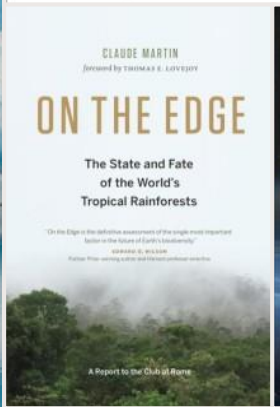
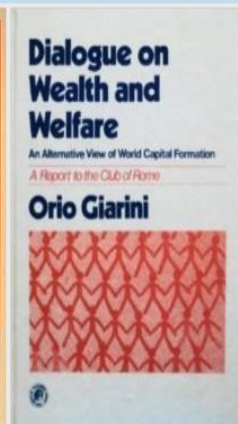
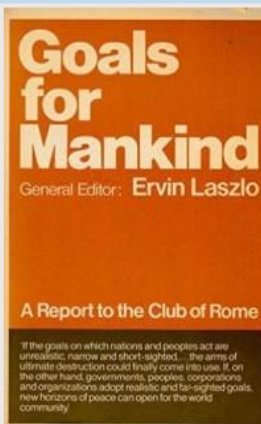
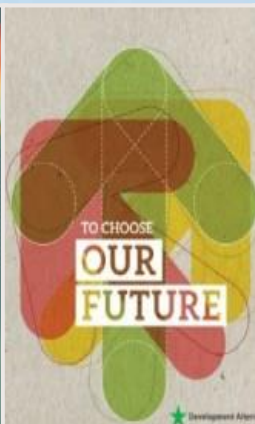
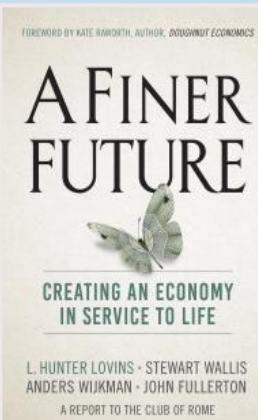
# THE LIMITS TO GROWTH – 1972



“This supreme effort is a challenge for our generation. It cannot be passed on to the next. The effort must be resolutely undertaken without delay, and significant redirection must be achieved during this decade.”

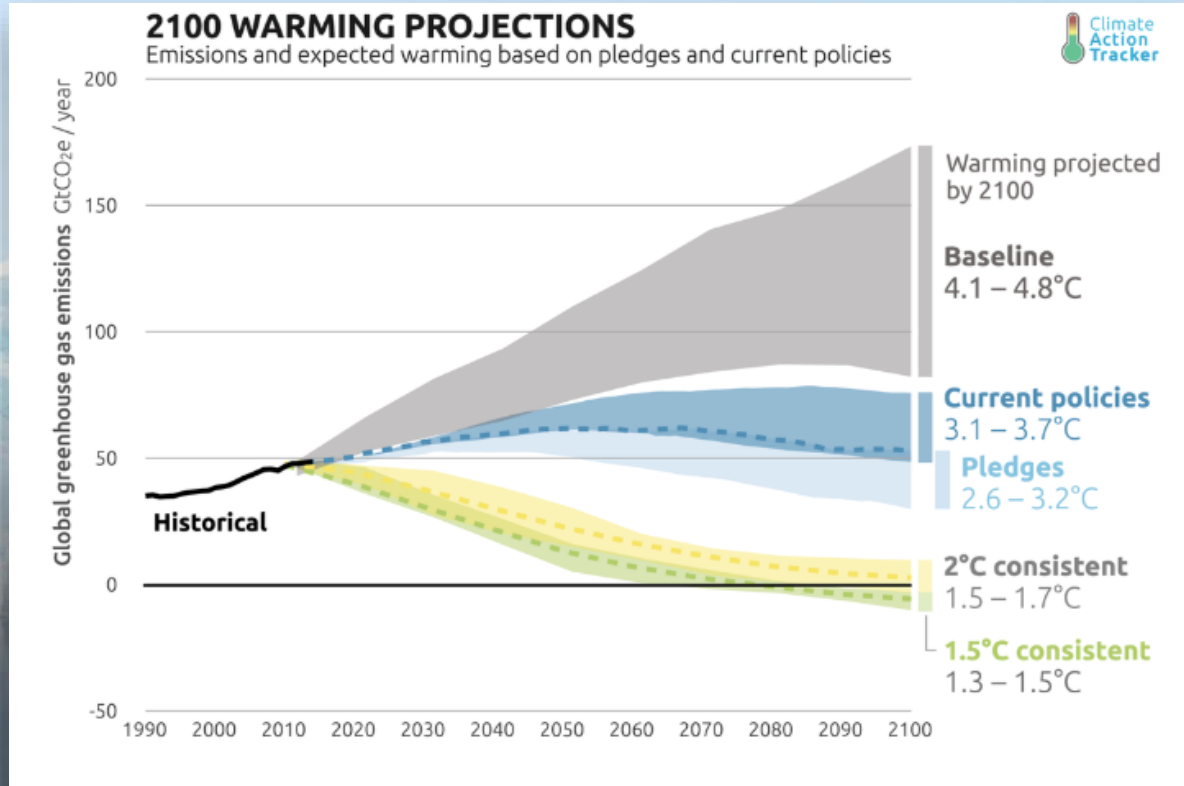


# THE LIMITS TO GROWTH – A LEGACY





# INTERNATIONAL CLIMATE LANDSCAPE – A REALITY CHECK.



YALE, NEW CLIMATE INSTITUTE  
AND DUTCH GOVERNMENT  
REPORT SEPT. 2018

THE CLUB OF ROME

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## Planetary Emergency Plan

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Securing a New Deal for  
People, Nature and Climate



# 10 COMMITMENTS FOR OUR GLOBAL COMMONS



- 1. 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.
- 2. 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.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. 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 protections and regeneration), **disclose** using available taxonomies **and report** according to material risks from the Planetary Emergency.
- 9. 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**.
- 10. 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



## TRANSFORMING ENERGY SYSTEMS

1. **Halt all fossil fuel expansion, investments and subsidies by 2020** and shift investments and revenues to low-carbon energy deployment, research, development and innovation.
2. **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**.
3. **Set a global floor price on carbon (>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.

## SHIFTING TO A CIRCULAR ECONOMY

4. **Agree in 2020 to halve consumption and production footprints** in developed and emerging economies **and close loops in inefficient value chains, by 2030**.
5. **Internalise externalities in unsustainable and high-carbon production and consumption** through targeted consumption taxes and regulation, as well as consumption-based accounting, **by 2025**.
6. **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**.

## CREATING A JUST AND EQUITABLE SOCIETY FOUNDED IN HUMAN AND ECOLOGICAL WELL-BEING

7. **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.
8. **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.
9. **Shift taxation from labour** to the use of all natural resources, final disposal, emissions to land, air and water **by 2020**.
10. **Establish clear funding and retraining programmes** for displaced workers, rural and industrial communities **by 2025**.

# COVID 19 : CALLS FOR HEALTHY PLANET FOR HEALTHY PEOPLE



## Climate change is a planetary emergency - how can we avert disaster?



Floods in Jakarta, climate change means we can expect more extreme weather events like this. Image: REUTERS/Willy Kurniawan

14 Jan 2020

Sandrine Dixon-Declève  
Co-President, The Club of Rome



- The Earth has coped relatively well with emissions so far.
- But 'tipping points' are being reached.
- Read the World Economic Forum's Global Risks Report

15 Jan 2020, WEF



## Emergence from emergency: The case for a holistic economic recovery plan

Mar 24, 2020 | Climate Emergency, Emerging New Civilization

Climate change, biodiversity loss and deforestation are contributing drivers behind pandemics. Like COVID-19, these cross-cutting challenges do not observe national borders and can be managed only through collective action, write Sandrine Dixon-Declève and Johan...

24 March 2020, Euractiv

24 March 2020, Project Syndicate



Mar 24, 2020 | SANDRINE DIXSON-DECLÈVE, HUNTER LOVINS,  
HANS JOACHIM SCHELLNHUBER, KATE RAWORTH

*In addition to threatening millions of lives and the global economy, the COVID-19 pandemic has demonstrated that human societies are capable of transforming themselves more or less overnight. In fact, there's no better time than now to usher in systemic economic change.*

## CALL TO ACTION TO G20 LEADERS : EMERGING FROM THE EMERGENCY WITH PEOPLE, PLANET, PROSPERITY AT THE HEART OF THE COVID-19 RECOVERY

*It is time to harness our fears, build hope and drive action to build resilient societies on the longer term*

We call on G20 Leaders, Heads of State and Finance Ministers, to have the courage, wisdom and foresight to make their economic recovery plans targeted towards both short and long term health and well-being for people. In doing so, such leadership will help secure a path towards greater resilience, by improving global health, reducing air pollution and greenhouse gas emissions, rebuilding our relationship with nature, rethinking how we use land and transforming our food systems to produce healthy food in harmony with local ecologies and socioeconomic well-being.

It is important to acknowledge that in addition to the COVID-19 pandemic, the planet is facing a deeper and longer-term crisis, rooted in a number of *interconnected global challenges*. Recent research on the ecology of diseases suggests that wildlife trafficking, unsustainable food systems, biodiversity loss and deforestation are key drivers behind pandemics. Like COVID-19, climate change, biodiversity loss, and financial collapse do not observe national or even physical borders.

- The planet is facing a deep systems crisis, rooted in a number of interconnected global challenges.
- climate change, biodiversity loss and deforestation are contributing drivers behind pandemics, interacting with high levels of global travel, trade and high-density living.

Planetary Emergency Partnership letter,  
9 April 2020



# COVID-19 RECOVERY: KEY RECOMMENDATIONS



1. COVID-19 shows that overnight transformational change is possible and highlights the importance of resilience to a multitude of convergent shocks across our health, economic and finance systems
2. Technology, governance and socioeconomic systems are currently mutating to respond to the crisis. Falling back to 20th century models of growth, planetary destruction and inequality is not an option. Europe should face this moment as an opportunity for deeper systemic change, innovation and renewal.
3. COVID-19 EXIT requires fast and strong responses to save as many lives as possible and address the devastating impacts on peoples' livelihoods and security
4. COVID-19 RECOVERY must not give up EGD, Climate objectives, SDG's and instead work towards the transition to resilient, low-carbon economies and nature-rich societies to reach a higher level of economic, social, environmental and institutional sustainability:
  - investing in renewable energy instead of fossil fuels
  - investing in nature and reforestation
  - investing in sustainable food systems and regenerative agriculture
  - shifting to a more local, circular and low carbon economy
5. People, Planet and Prosperity must be at the center of this deep transformation



# A FINER FUTURE – WHAT WILL IT TAKE TO AVOID COLLAPSE?

THE MINIMUM REQUIREMENT FOR AN ECONOMIC SYSTEM THAT CAN SUSTAIN HUMANITY IS ONE THAT:

1. LIVES WITHIN ECOLOGICAL LIMITS
2. MEETS THE BASIC NEEDS OF ALL HUMANS; AND
3. HAS SUFFICIENT EQUALITY TO MAINTAIN SOCIAL STABILITY AND  
ENABLE BASIC NEEDS TO BE MET

A Finer Future, Creating an economy in service to life, A report to the Club of Rome 2018 – L. Hunter Lovins, Stewart Wallis, Anders Wijkman, John Fullerton



# EMERGENCY – WHAT WILL IT TAKE TO AVOID COLLAPSE AND FUTURE CRISES?

## Growth Of Family Income

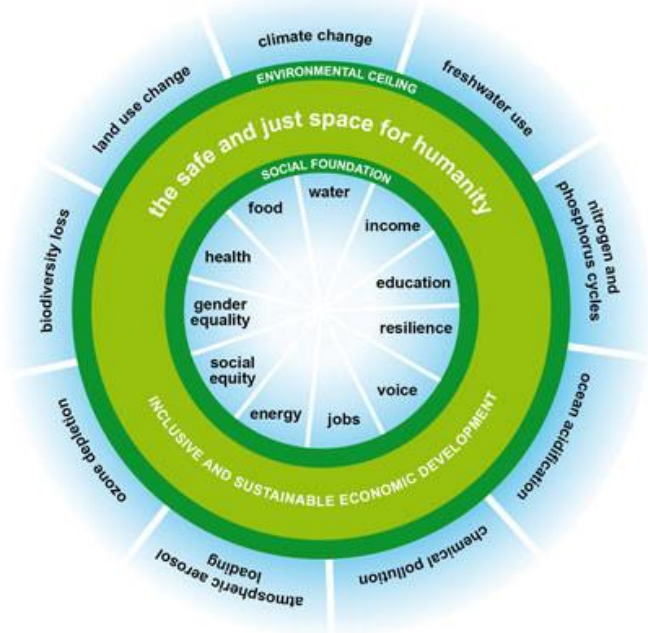


1947-1979 Source: United for a Fair Economy ([www.FairEconomy.org](http://www.FairEconomy.org)): Based on analysis of US Census Bureau data  
1980-2007 Source: Congressional Budget Office, Average Income Pretax ([www.cbo.gov](http://www.cbo.gov)): 2007 Dollars  
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# THE DOUGHNUT – WHAT WILL IT TAKE TO AVOID COLLAPSE?

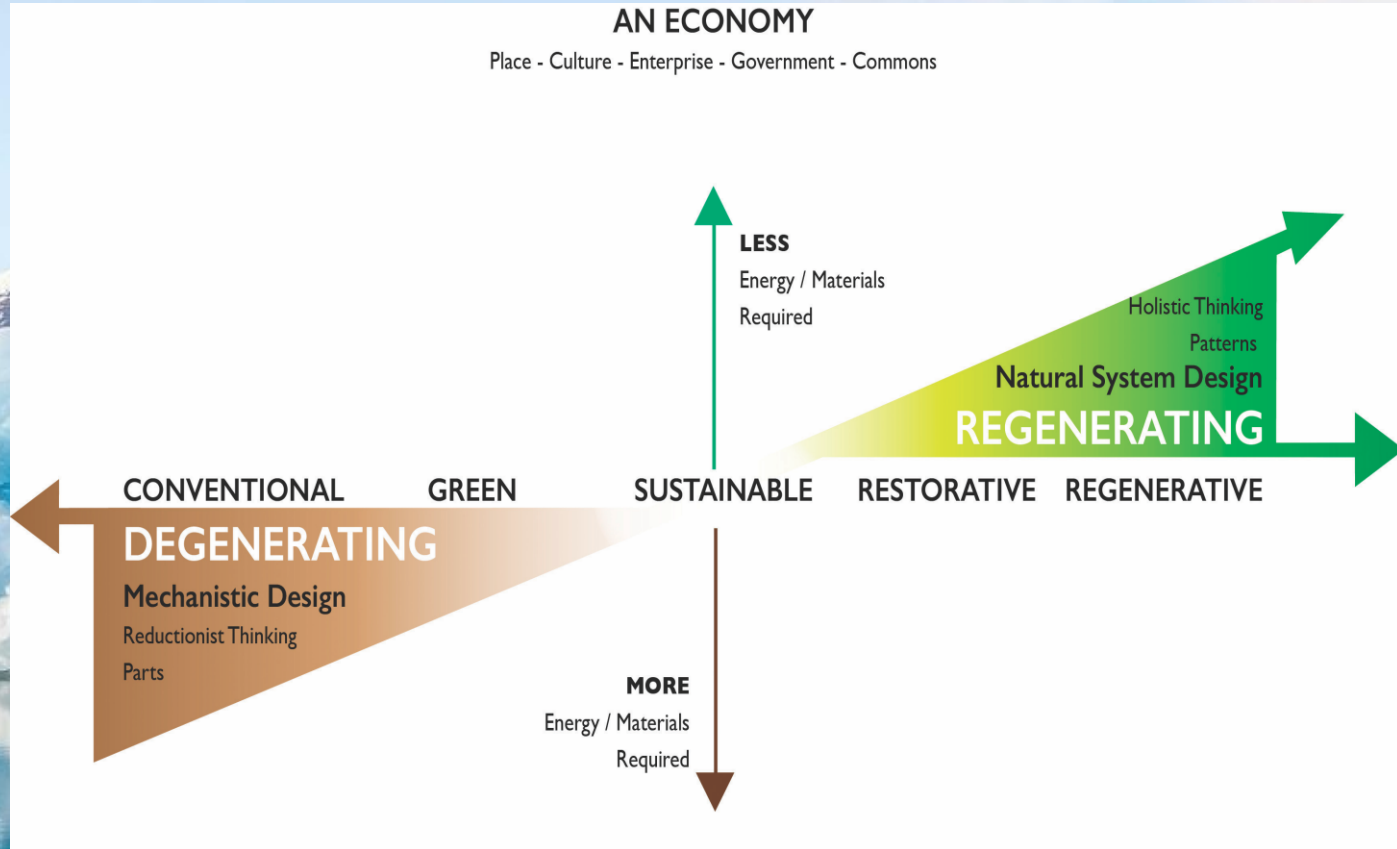


Dr. Kate Raworth, Doughnut Economics

- CURRENT FAILURE: MEET BASIC HUMAN MIN TO ENSURE DIGNITY
- CHALLENGE: MEET THE NEEDS OF ALL WITHIN PLANETARY BOUNDARIES
- ENSURE NO ONE FALLS SHORT OF LIFE'S ESSENTIALS (FOOD, HOUSING, HEALTHCARE, POLITICAL VOICE)
- ENSURE DON'T OVERSHOOT PRESSURE ON EARTH'S LIFE-SUPPORTING SYSTEMS, ON WHICH WE FUNDAMENTALLY DEPEND
- THE DOUGHNUT IS A COMPASS FOR HUMAN PROGRESS THIS CENTURY




# A REGENERATIVE ECONOMY - WHAT WILL IT TAKE TO AVOID COLLAPSE?



Derived from Bill Reed, Regenesi  
Group

# A CIRCULAR ECONOMY - WHAT WILL IT TAKE TO AVOID COLLAPSE?

- ❑ **Agree in 2020 to halve consumption and production footprints** in developed and emerging economies **and close loops in inefficient value chains, by 2030.**
- ❑ **Internalise externalities in unsustainable and high-carbon production and consumption** through targeted consumption taxes and regulation, as well as consumption-based accounting, **by 2025.**
- ❑ **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.**



APPLY CIRCULAR  
PRODUCTION SYSTEMS  
AND BUSINESS  
MODELS BY REDUCING  
CONSUMPTION,  
CLOSING LOOPS AND  
MAXIMISING REUSE  
AND RECYCLING



# EMERGENCE FROM EMERGENCY – TRANSFORMING ENERGY SYSTEMS FOR NEW HEALTH AND DECARBONISATION REVENUE



In 2030,  
17 solutions  
would cost at most

**17%**  
of how much  
we subsidise  
fossil fuels today

Direct fossil  
fuel subsidies  
in 2015 are

**\$548  
billion**  
globally





# NEW EU LEADERSHIP – POLITICAL BALANCE





**Mark Carney, Governor of the Bank of England** warns that companies and industries which aren't aiming for net-zero emissions will go bankrupt.



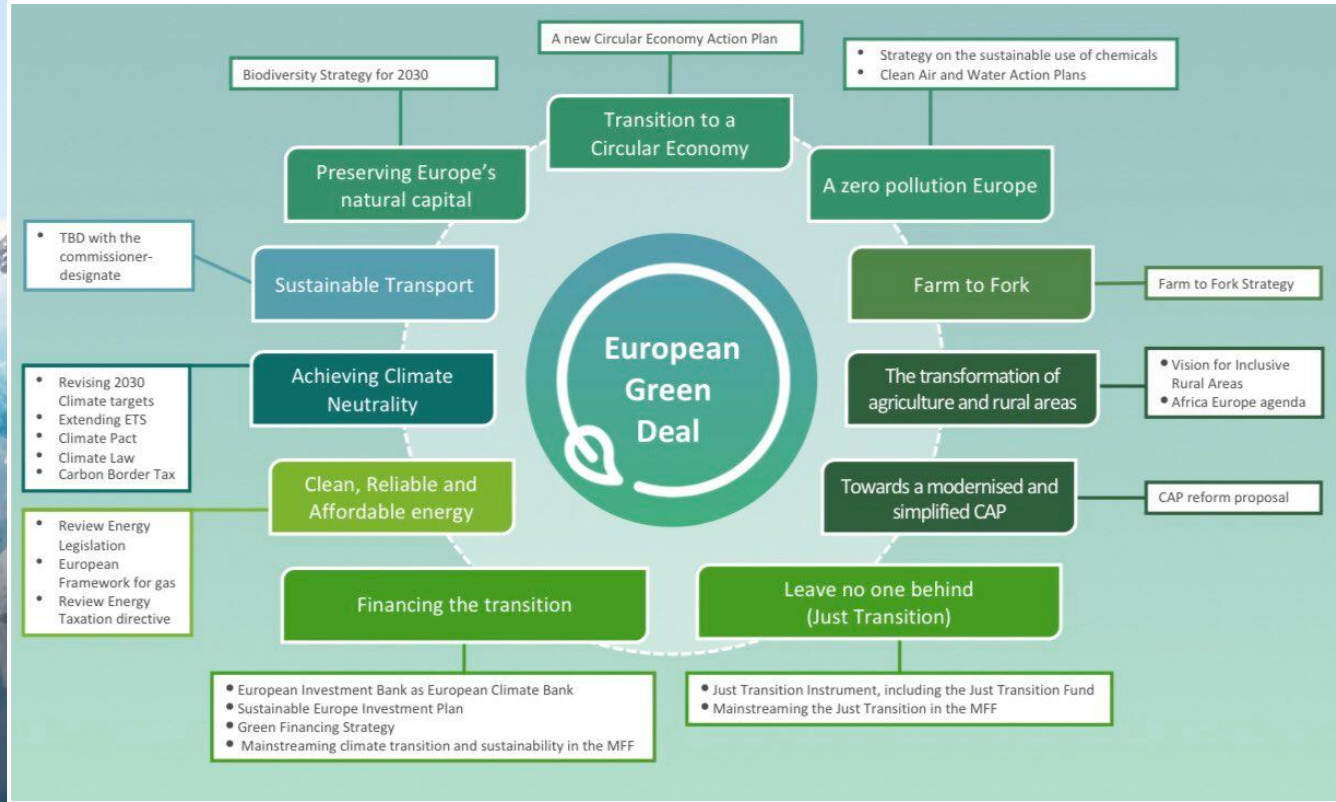
# ESIR DGR&I Recovery: Protect-Prepare-Transform Europe

Europe needs to play a central role in changing our systems to ensure greater resilience by design, not by disaster. Research and innovation is essential part of COVID19 EU response:

- PROTECT People-Planet-Prosperity
- PREPARE better for the next crises
- TRANSFORM Society, economy and regenerate the planet



# EU GREEN DEAL - INTEGRATED ACTION ON CLIMATE, BIODIVERSITY AND HUMAN HEALTH AND WELLBEING



# EMERGENCE FROM EMERGENCY - WHAT WILL IT TAKE TO AVOID COLLAPSE?





# CAN WE CREATE A **WORLD IN BALANCE?**

- Emergency plans across all jurisdictions
- Action now for resilience later
- Transformational not incremental
- Collaborative not individual
- Business unusual not bau
- More strategic & targeted
- Risk taking an absolute
- Just transition & buffers
- Circularity vs linearity
- Pragmatic yet radical
- Pricing what matters

*“It is time to harness our fears, build hope & drive action to build resilient societies in the longer term”*

**BE THE LEADER THAT YOU WANT TO SEE – REMEMBER  
OUR MOONSHOT IS PLANET EARTH!**

