





#hkextremes19

HERRENHAUSEN CONFERENCE, OCTOBER 9-11, 2019

HERRENHAUSEN PALACE, HANOVER, GERMANY

EXTREME EVENTS -BUILDING CLIMATE RESILIENT SOCIETIES



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Climate extremes and sustainability

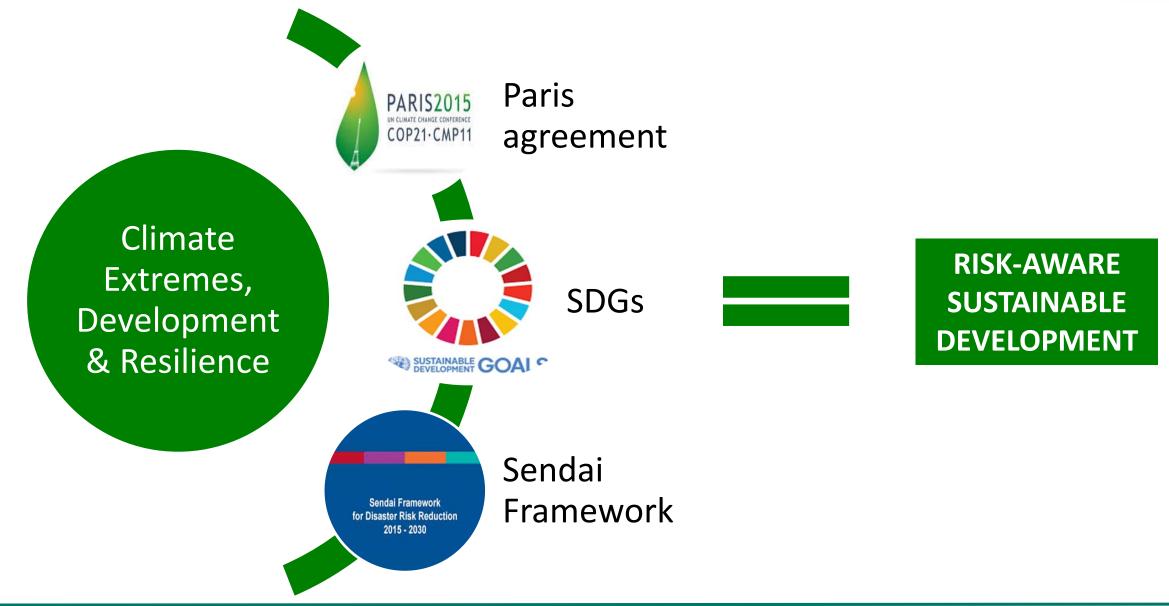




Sustainable development goals

Linking three major frameworks

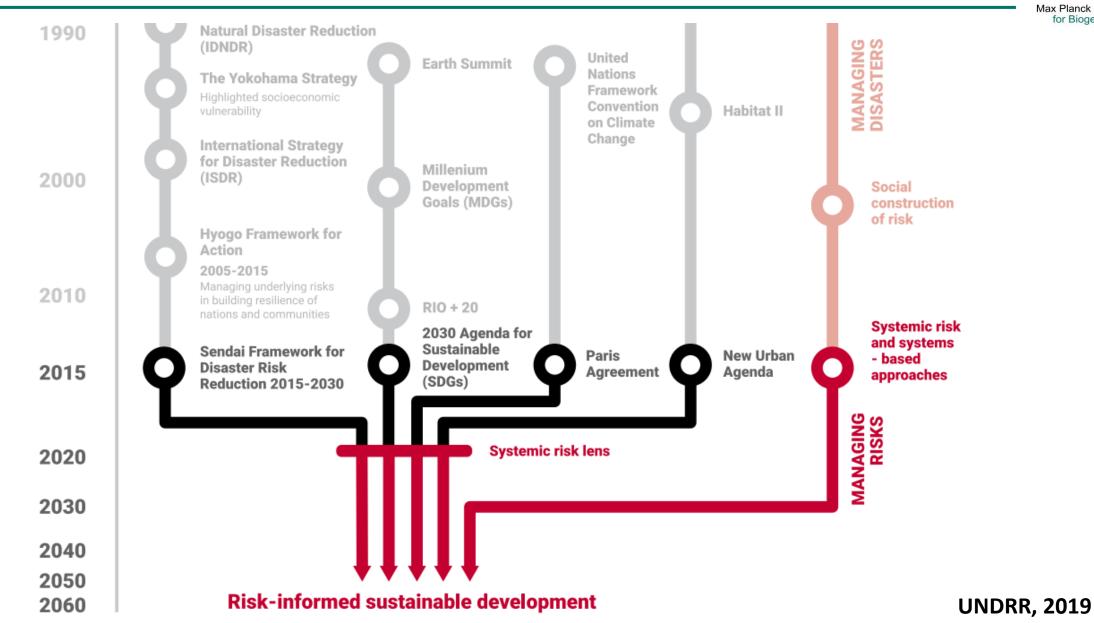




Extreme events – Building climate resilient societies

Timeliness wrt development of international agendas





Risk awareness needs to be improved



Die Bundesregierung



Deutsche Nachhaltigkeitsstrategie

Aktualisierung 2018



<u>Climate Extremes:</u> 3x, only in one resort (Traffic, infrastructure, Digital afairs)

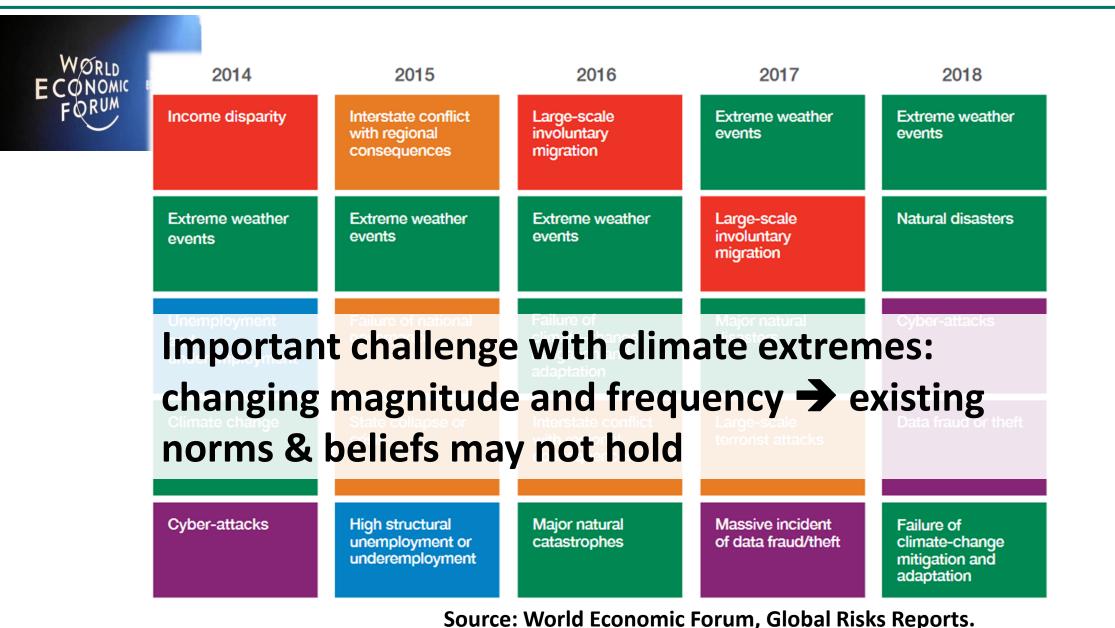
Disasters: 1x, only in one resort (Science)

<u>Risks:</u> 8x, not consistent meanings

Another example: "Smart Cities"

Extreme events – Building climate resilient societies

Urgency is undoubted



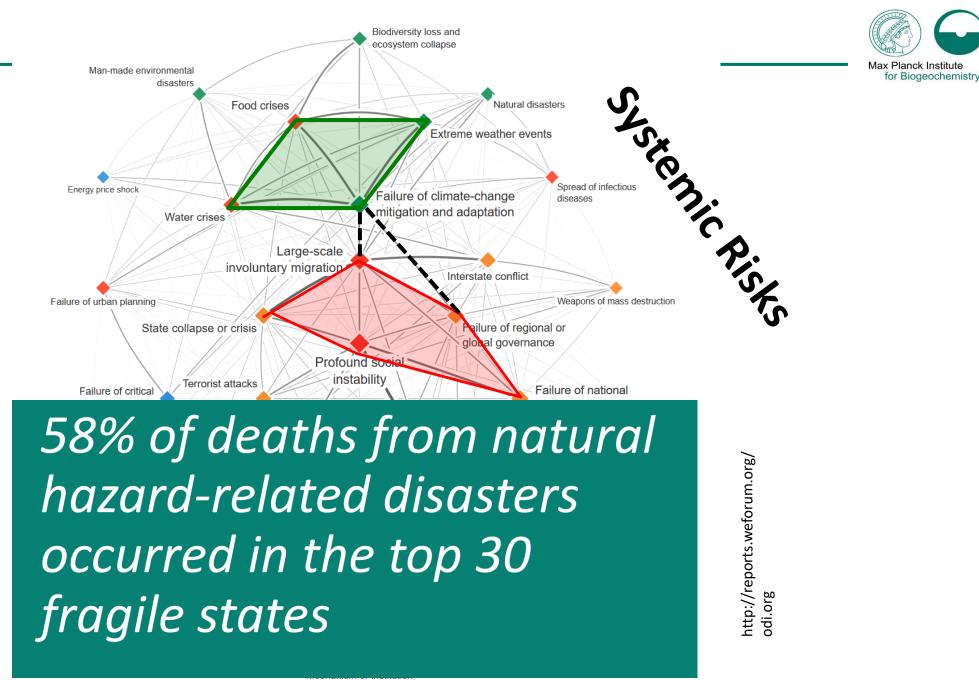
Extreme events – Building climate resilient societies

Markus Reichstein

Max Planck Institute for Biogeochemistry

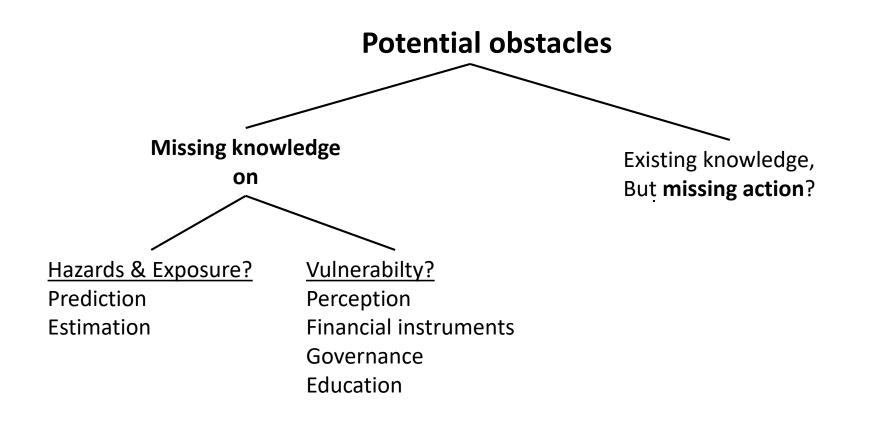
Risk network





Obstacles to societal resilience vs. climate extremes

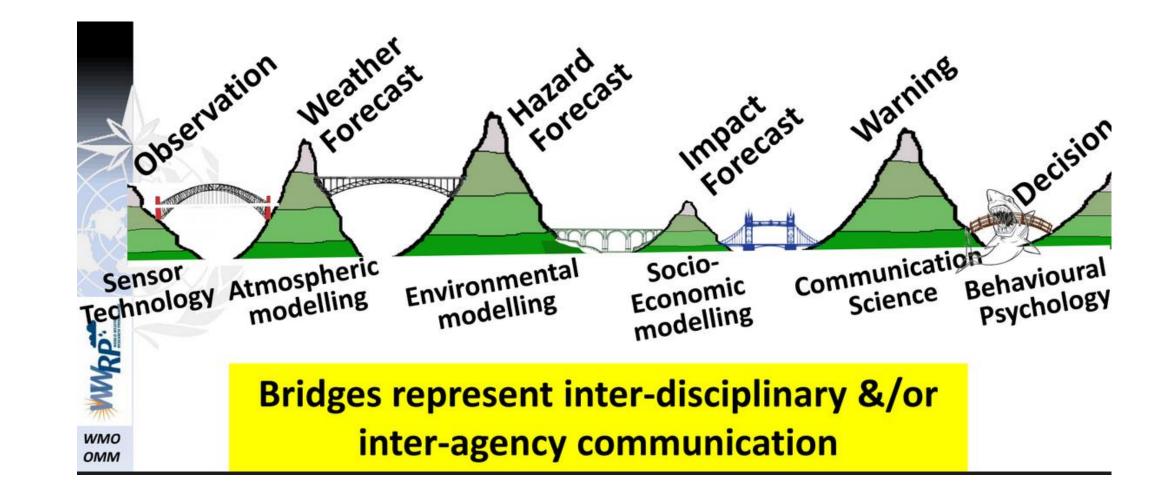




Lack of Data? Lack of Concepts?

An interdisciplinary challenge: e.g. five bridges for resilience



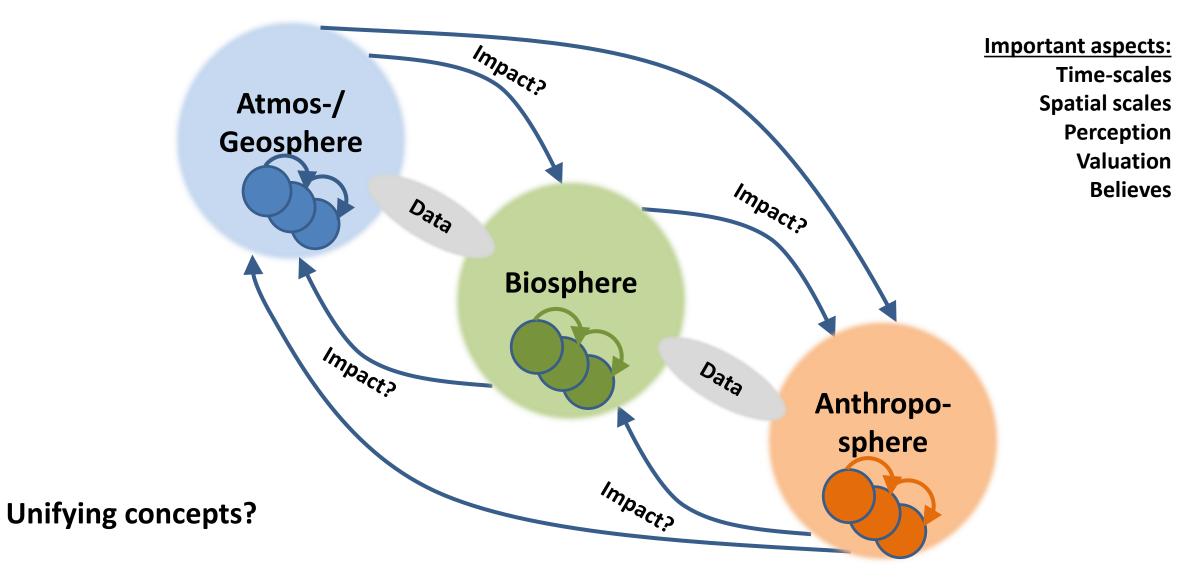


Golding et al. 2019, HiWeather/WWRP

Extreme events – Building climate resilient societies

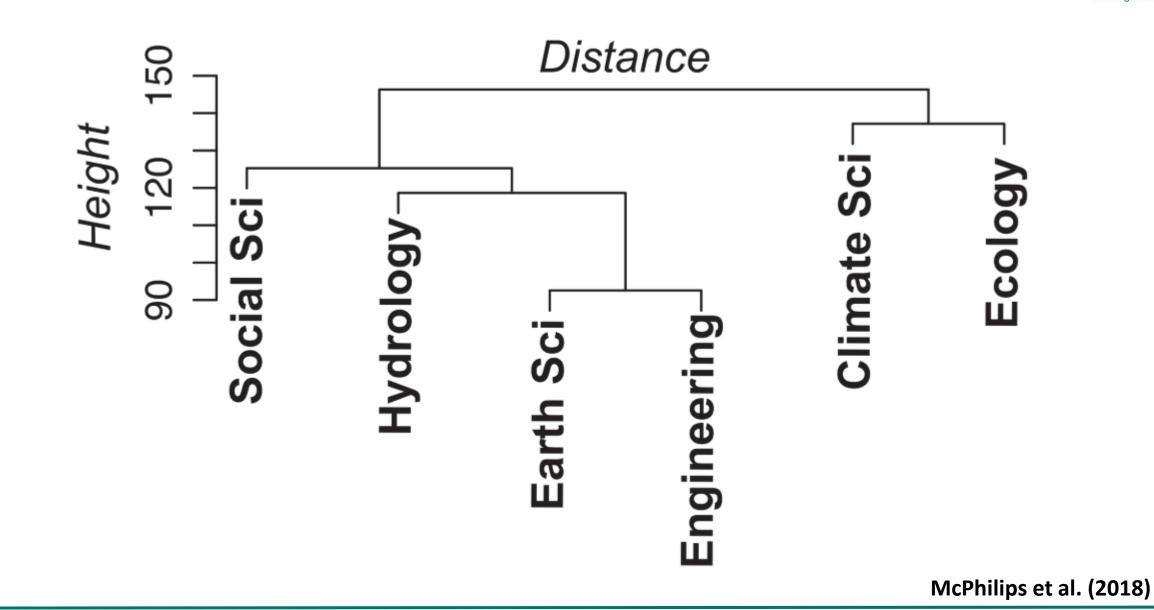
System view on extreme events



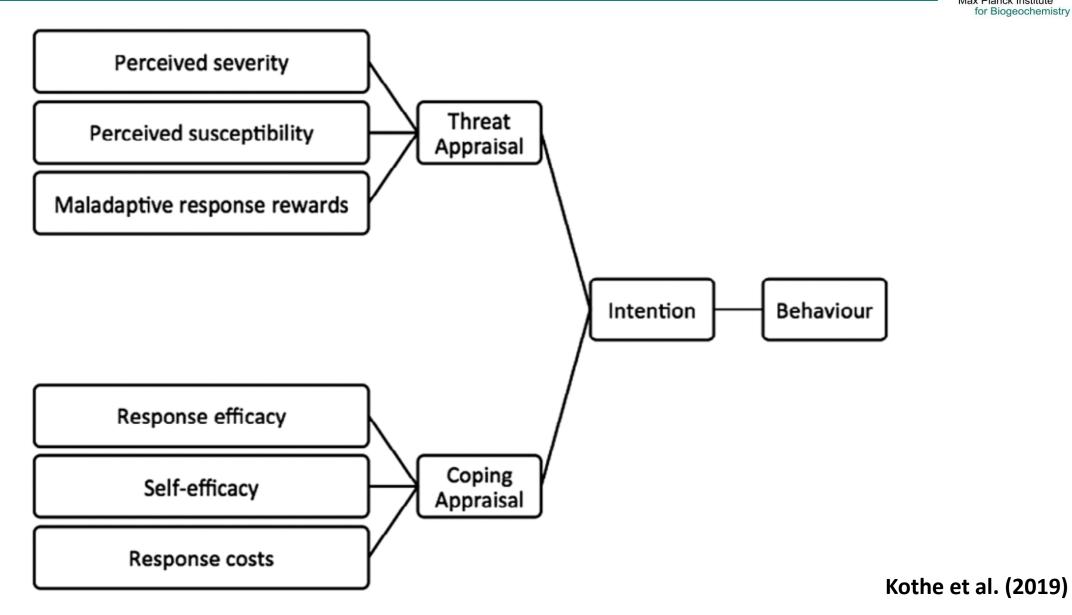


Dissimilarity in language between disciplines regarding climate extremes

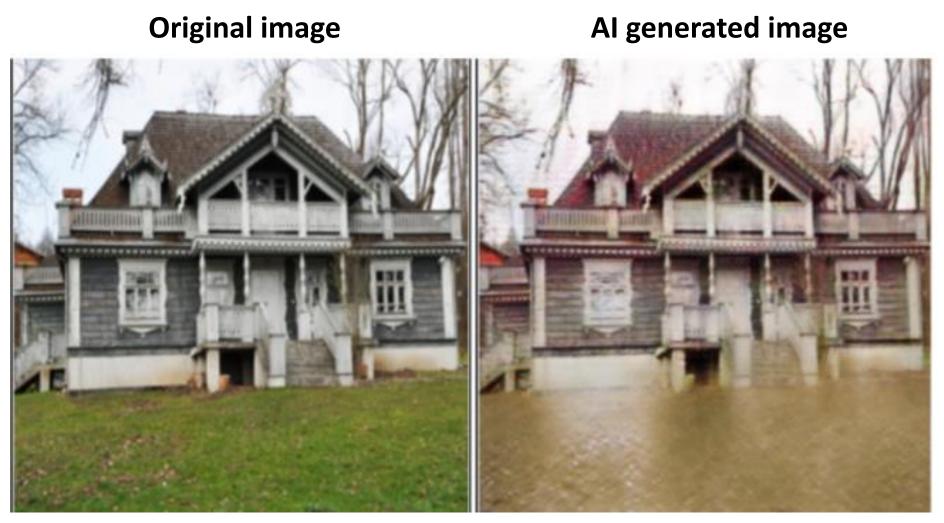








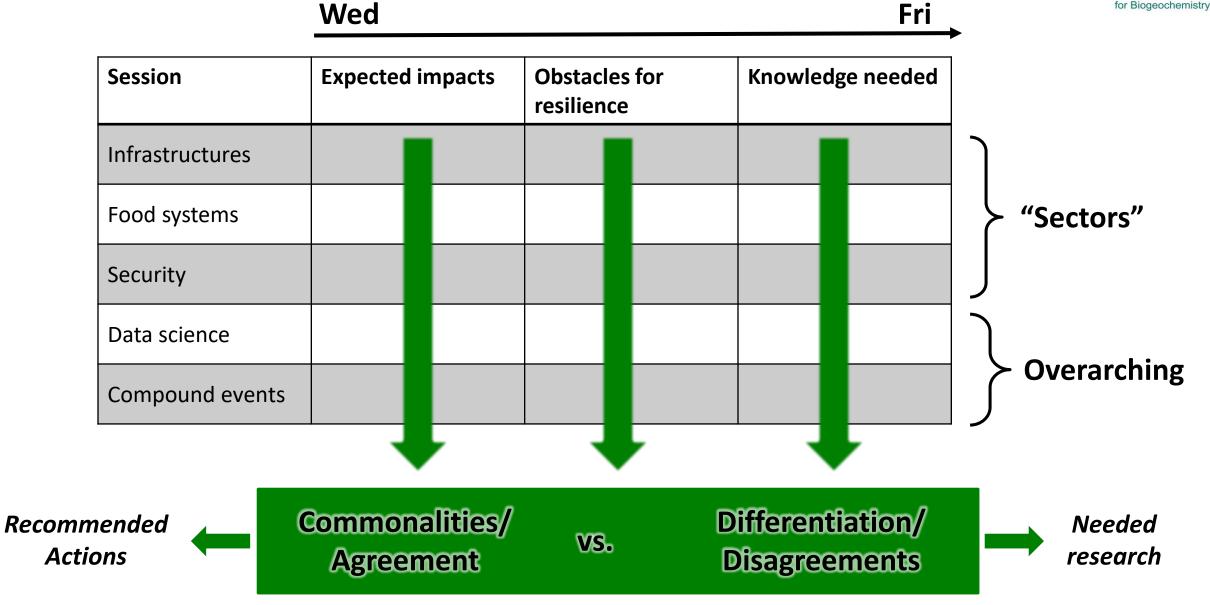




Schmidt et.al (2019) arXiv.org: 1905.03709

Conference structure and aniticpated output

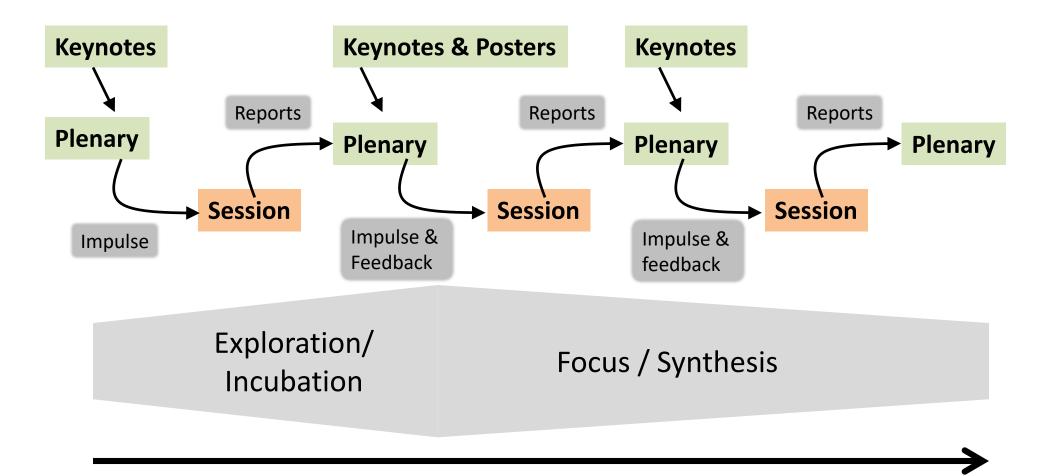




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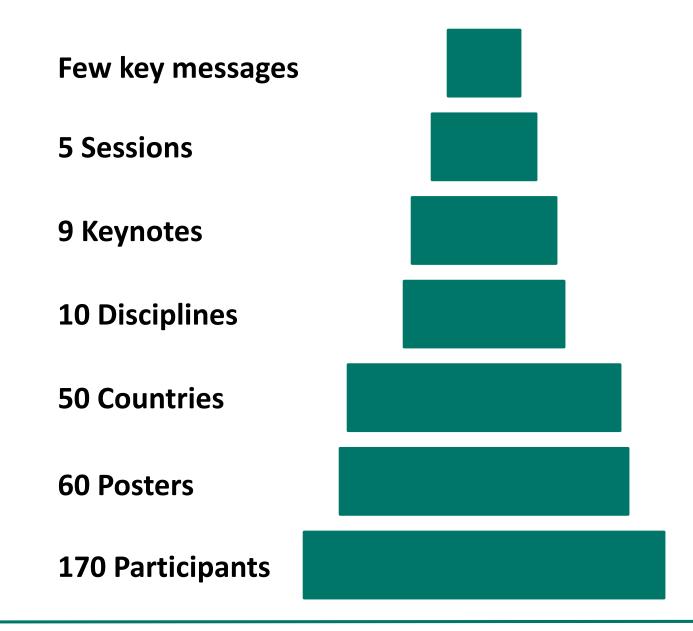
Conference format





In summary: this conference in numbers





If I had to select one sentence to describe the state of the world, I would say we are in a world in which global challenges are more and more integrated, and the responses are more and more fragmented, and if this is not reversed, it's a recipe for disaster.¹⁰⁸

VORLD ONOMIC

Let's contribute to that this is not becoming true!

António Gutteres, United Nations Secretary-General, January 2019 Source: World Economic Forum