

GLOBAL RISKS LANDSCAPE 2017 WORLD ECONOMIC FORUM – TOP RISKS

Numerous risks caused or intensified by climate change are among the top ten risks:

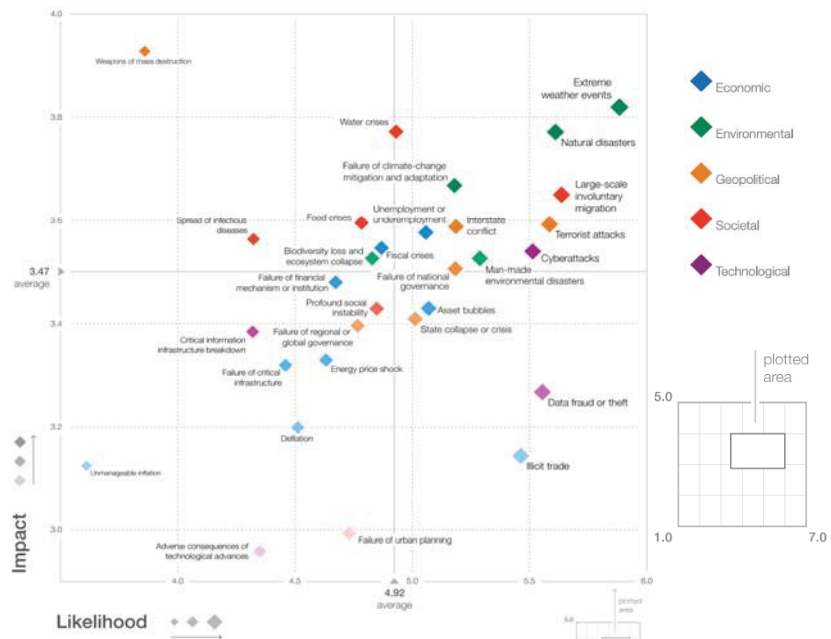
- Extreme weather events
- natural disasters
- water crises
- Failure in Climate Protection & Climate Change Adaptation
- Involuntary large-scale migration
- Food crises



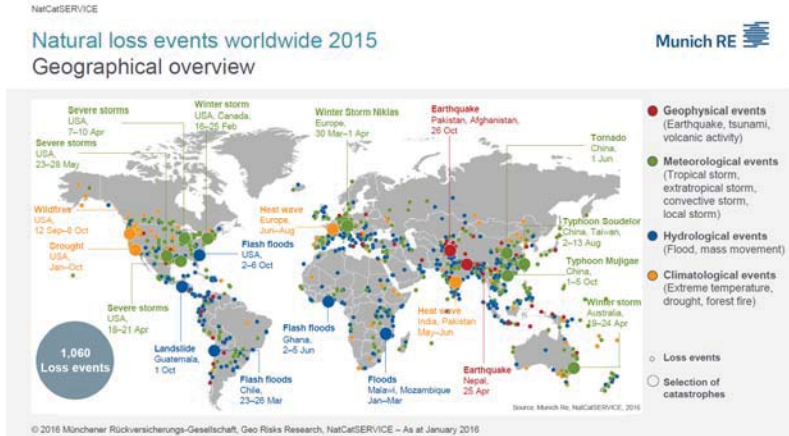
Source: The Global Risks Report 2017, World Economic Forum 2017
http://www3.weforum.org/docs/GRR17_Report_web.pdf

WORLD ECONOMIC FORUM

GLOBAL RISKS LANDSCAPE 2017



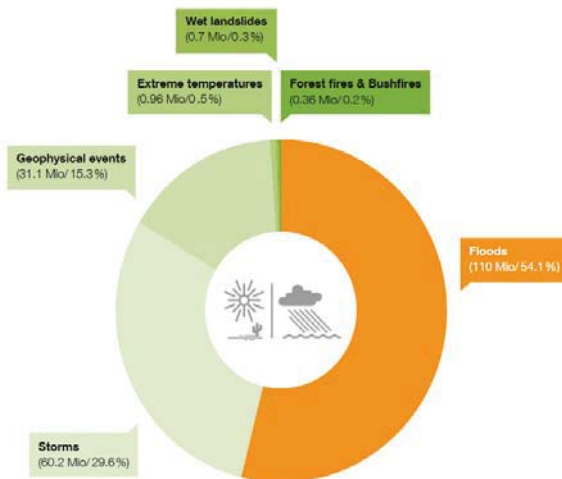
CLIMATE CHANGE & RISKS



5 | REDUCING ENVIRONMENTAL RISKS AND STRENGTHENING GOOD ENVIRONMENTAL GOVERNANCE

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CLIMATE CHANGE, MIGRATION, AND DISPLACEMENT



Displacement due to weather-related and geophysical disasters from 2008 to 2015

total: 203 Mio.

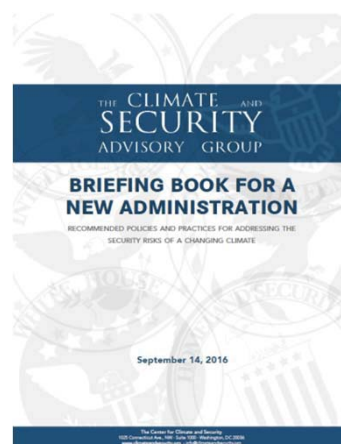
Source: Internal Displacement Monitoring Centre (IDMC) 2016 and IDMC 2016 d

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THE CENTER FOR CLIMATE & SECURITY

- US based security think tank with an [Advisory Board](#) of senior military and national security experts
- “Climate change, in both scale and potential impact, is a strategically-significant security risk that will affect our most basic resources, from food to water to energy.”
- “The President’s stated decision to withdraw from the Paris Agreement will have serious, negative strategic implications for the United States.”



APPROACHES AT DIFFERENT GOVERNANCE LEVELS

- **Climate** Agreement in Paris / EU Climate Package – Austrian “Integrated Energy and Climate Strategy”
- **Climate Change Adaptation** – National Adaptation Strategy, APCC Report
- EU **circular economy** package – Austrian Resource Efficiency Action Plan 2012
- Preservation of **natural resources** – EU **Biodiversity** Strategy 2020+ – Austrian Strategy for the Implementation of the Convention on Biological Diversity
- **United Nations Agenda 2030 on Sustainable Development** – Austrian Strategy for Sustainable Development

SDG TARGETS WITH FOCUS ON THE ENVIRONMENT



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EU GOVERNANCE FOR THE IMPLEMENTATION OF AGENDA 2030

- Clear **political commitment** by EC-President Jean-Claude Juncker
- Implementation of Agenda 2030 as **overarching framework for 10 “Juncker Priorities”**
- Enhance **horizontal integration** and **policy coherence**
- **Implement 7th Environmental Action Programme**
- **Immediate action** to implement the 2030 Agenda SDGs: EC Communication: “Next steps for a sustainable European future - European action for sustainability” (Nov. 2016)
- Renewed **European Sustainable Development Strategy**, including **progressive milestones** and a **long-term vision for 2050**
- **Mid-term review Europe 2020 & European Semester** to focus on governance requirements of Agenda 2030
- Adapt the **global SD indicator set**
- Launch common **European communication campaign**
- Encourage **Stakeholder engagement, participation and partnerships – participation of civil society** in the planning and implementation processes
- Push MS for **national implementation**
- Need & potential for **peer learning** – renew **SD Coordinators Group**

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FURTHER EU ACTION ON IMPLEMENTATION OF SDG

- Mainstreaming SDGs into EU policies and initiatives, respecting all three dimensions. Ensuring that EU's policies are sustainability-assured through EC's "better regulation tools".
- As of 2017 regular reporting of the EU's progress towards the implementation of the 2030 Agenda.
- EU will continue working with external partners, using all the tools that are available under its external policies and support in particular the efforts in developing countries.
- The Commission will launch a multi-stakeholder Platform with a role in the follow-up and exchange of best practices on SDG implementation across sectors, at Member State and EU level.
- The Commission will launch reflection work on developing further a longer term vision in a post 2020 perspective.

HOW TO SUPPORT THE IMPLEMENTATION OF THE AGENDA 2030 GOALS

- Support **well informed & strong civil society** & promote accessibility and transparency of environmental information
- foster **public participation** in environmental matters and encourage civil society to take part in environmental decision making to strengthen Security and Stability at regional, national and local levels
- Support **Exchange of best practices** from EU area/OSCE region – Share best practices and lessons learned among across borders & across regions
- Support **Capacity Building** in international cooperation projects in regional context
- **Knowledge exchange** Environment Agencies with ENVSEC/OSCE Field Missions & Aarhus Centres in the region – Strengthen the capacities of Aarhus Centres Network

EXAMPLES FOR AUSTRIAN IMPLEMENTATION INITIATIVES

- Goal 2: Zero Hunger – Austrian agri-environmental program ÖPUL
- Goal 6: Clean Water and Sanitation – National Water Management Plan, Danube Strategy, EUWI plus
- Goal 7 Affordable and Clean Energy – Climate Protection Act, Green Electricity Act, Energy Efficiency Act, Climate Fund, integrated energy and climate strategy
- Goal 11 Sustainable Cities and Communities – National Flood Risk Management Plan, Waste Management Plans
- Goal 12 Responsible Consumption and Production – National Action Plan for Sustainable Public Procurement, EMAS, export initiative environm. technologies, waste prevention program, Resource Efficiency Action Plan
- Goal 13: Climate Action – Climate Protection Law, integrated energy and climate strategy, national climate adaptation strategy
- Goal 15: Life on Land – Austrian Biodiversity Strategy 2020+, National Parks, Advisory Council on Soil Fertility, National Water Management Plan



CONTACT & INFORMATION

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Umweltbundesamt
www.umweltbundesamt.at

25th OSCE Economic and Environmental Forum
Astana ● 14–16 June 2017

FACTS & FIGURES

- **founded in 1985** under the **Environmental Control Act**
- since **1999** under the legal status of a **Limited Liability Company**
- more than **500 employees**
- more than **45 Mio.€ turnover**
- more than **55 disciplines**
- more than **20 languages**
- experience in more than **60 countries**
- partner in more than **200 networks**



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ENVIRONMENT AGENCY AUSTRIA MISSION STATEMENT

- We are Austria's largest organisation of experts on all environmental issues.
- As an independent partner, we build bridges between the economy, science and politics at national and international level.
- With more than 500 experts in 55 academic disciplines we are a leading provider of environmental solutions.



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TASKS CRITICAL TO ENSURE SUCCESS OF SDGS

- **Monitoring and reporting**
good data but also strong narratives to support decision-making
- **Awareness-raising**
The importance of SDGs is still not widely recognised
- **Capacity building**
Work with national statistical offices and other partners

MONITORING, REPORTING AND REVIEWING PROGRESS TOWARDS THE SDGS AT THE EU LEVEL

- EC needs to align SDG implementation with 7EAP evaluation + follow-up on Circular Economy
- EC started by assessing reference scenario in implementation of the SDGs as they relate to environment policy
 - Resource Efficiency
 - Natural Capital
 - Quality of Life
- 1st step: Review the knowledge base
- Indicators Streamlining initiative under the Environment Knowledge Community
- Catalogue existing indicators, assess relevance, quality, gaps (DPSIR)

SDG IMPLICATIONS FOR EU ENVIRONMENTAL POLICY

- SDGs crucial for the EU
- Environment critical to achieve the SDGs
- Commission's response so far
- Implementation is important
- Mapping is important
- Mainstreaming is important
- An ambitious approach engaging with stakeholders

EXAMPLES BMLFUW/EAA CONTRIBUTION TO SDG SUBGOALS

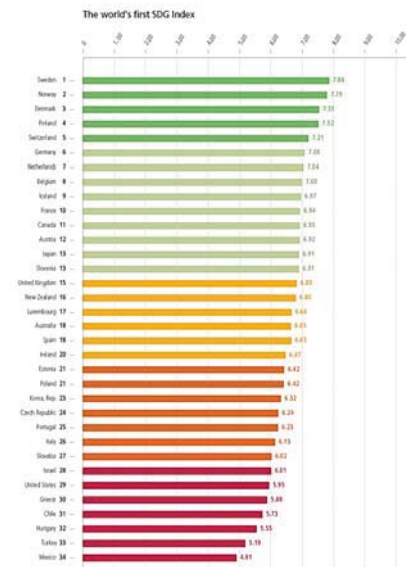
- Goal 1: No Poverty – Flood Risk Initiative, Austrian strategy for adaptation to climate change
- Goal 3: Good Health and Wellbeing – REACH, CLP, biocidal product ,POP implementation
- Goal 4 Quality Education – Environmental Education Platforms
- Goal 5 Gender Equality – Women's Network for Disaster Risk Reduction
- Goal 8 Decent work and economic growth – Export Initiative Environmental Techn., Master Plan Environmental Technology, masterplan "green jobs"
- Goal 9: Prosperity, Innovation and Infrastructure – "Natural hazard-proof Austria", national flood risk management plan
- Goal 10: Reduced Inequalities – International climate financing
- Goal 14: Life below water – international waters protection commissions IKSD (Danube), ICPR (Rhine) and ICSE (Elbe), Nitrate Action Program
- Goal 16: Peace, Justice and strong institutions
- Goal 17: Partnerships for the Goals – strategy environment and development



FIRST SDG REPORTS PRODUCED IN 2016

- **Global level:**
 - 2016 SDG report, produced by UN system, showing
 - 50 out of 241 global SDG indicators
- **EU level:**
 - Ad hoc Eurostat publication on SDGs in EU context, showing 51 indicators selected ad hoc
- **National level:**
 - Reporting on national SD strategies based on national SD indicator sets

BERTELSMANN-STIFTUNG: „SDGS – ARE THE RICH (I.E. OECD) COUNTRIES READY?“ – 34 INDICATORS











© Bertelsmann Stiftung

The SDG Index measures the overall performance of each OECD country based on the 17 goals and 24 indicators examined in the study. In fact, Sweden, Norway, Denmark, Finland, and Switzerland are best prepared to meet the SDGs and in a good position to foster sustainable development by 2035. However, even these countries are faced with particular challenges, as the country profiles in this study illustrate.

CONCLUSION/MAIN MESSAGE

- Implementing SDGs should be priority of the government defined in the strategic documents, supported by indicators, monitoring, reporting, linked to the core economic policy decisions
- SDGs have an integrative approach that link social, economic and environmental concerns. It therefore requires interdisciplinary exchange/ multidisciplinary approach at all levels, to break out of the expert logic and take the global aspects into account
- Mutual learning should be at the heart of the peer-learning mechanism for the implementation of SDGs
- Support awareness raising and capacity building projects and strengthen regional collaboration
- Increase cross-border and transboundary activities and cooperation at bilateral and regional level
- Increase knowledge base on synergies and trade off of SDGs

WHAT DOES CLIMATE CHANGE MEAN FOR AUSTRIA?

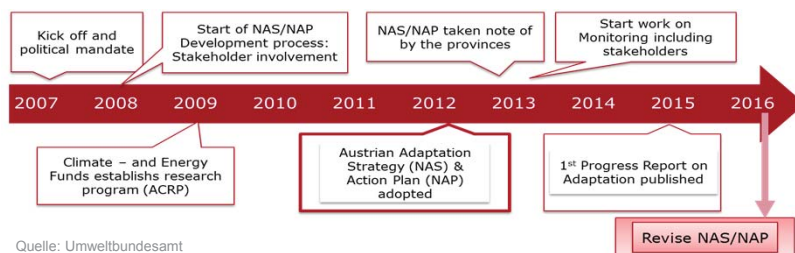
-  Average temperature rises □ Alpine space twice as high !!!
-  Heat Days und tropical nights are increasing
-  Summer drought is growing regionally
-  Precipitation variability and aggravation are increasing
-  Less days with total snow cover
-  Regional storm damage can increase
-  Permafrost thawing
-  Flood hazard increases

AUSTRIAN CC ADAPTATION POLICY PROCESS

Main responsibility, process owner:

Federal Ministry of Agriculture, Forestry,
Environment and Water Management

Support unit: Environment Agency Austria



Quelle: Umweltbundesamt



PRESENT ENVIRONMENTAL SITUATION

- Increasing evidence of the climate change threat
- 60% of ecosystems already degraded or used unsustainably
- 33% of soils is moderately to highly degraded due to erosion, nutrient depletion, acidification, salinization, compaction and chemical pollution
- 467 000 premature deaths yearly in EU due to air pollution (7 millions globally)

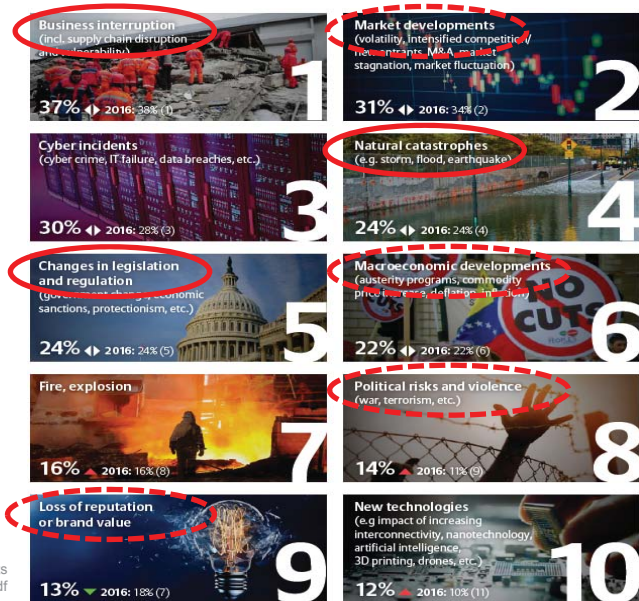
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ALLIANZ RISK BAROMETER

TOP 10 GLOBAL RISKS FOR ECONOMY 2017

http://www.agcs.allianz.com/assets/PDFs/Reports/Allianz_Risk_Barometer_2017_EN.pdf



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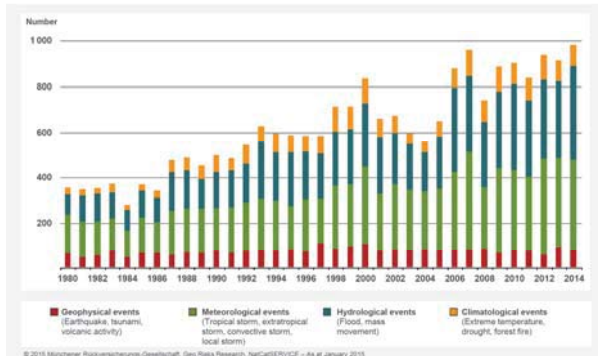
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CLIMATE CHANGE & RISKS

NatCISERVICE
Loss events worldwide 1980 – 2014
Number of events

Munich RE



Σ Weather
Europe
561 Mrd. €

RG3

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INTERNATIONAL AND EUROPEAN SD POLICY

- 1992 Rio-Conference („Agenda 21“)
- 2000 UN Millennium Development Goals (8) til 2015
- 2001 European Council adopts Europ. Strategy for Sust. Development
- 2002 Rio+10 Conference Johannesburg – AUT contribution: „NSTRAT“
- 2006 Renewed EU Strategy for SD (Austrian Presidency); Decision on revision process til 2011
- 2009 EU Lisbon Treaty; Art. 3, para. 3: SD europ. negotiated agreement
- 2010 UN Millennium Development Goals Summit; structure & Post-2015-Process
- 2010 Strategy Europe 2020: „smart, sustainable, inclusive growth“:
7 flagship initiatives, European Semester, National Reform Programmes
- 2012 Rio+20-Conference: „The Future We Want“– Declaration
- 2015 UN adopts 17 New SD Goals 2015–2030

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Slide 31

RG3 das geht so leider nicht. Kann man eine Folie machen nur mit Europa und Wetter, in Euro? Dann würde ich diese Folie weglassen und nur die nächste nehmen, mit der globalen Landkarte
Rebernick Georg, 31/05/2017