

Science for Services: towards seamless prediction of the Earth System



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World Meteorological Organization
Organisation météorologique mondiale

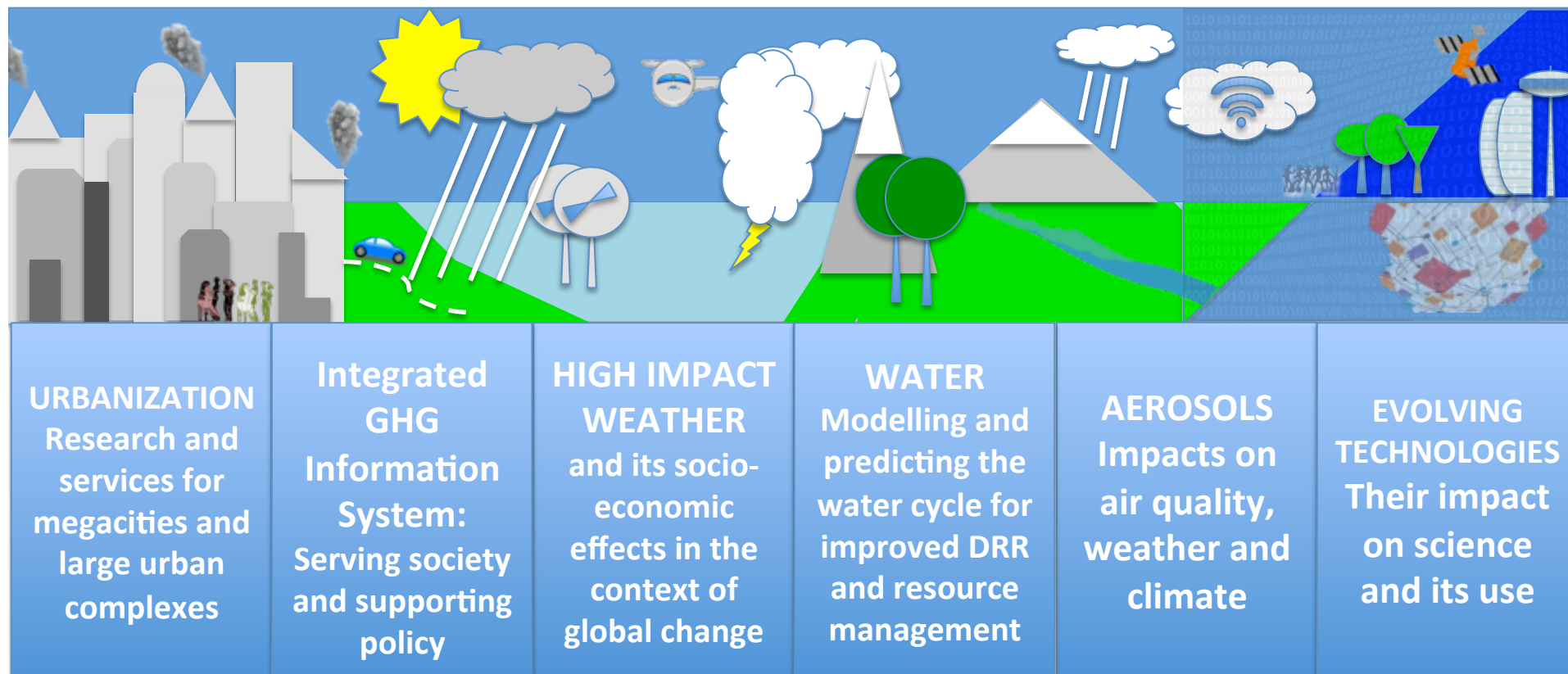
Commission
for

Atmospheric Sciences



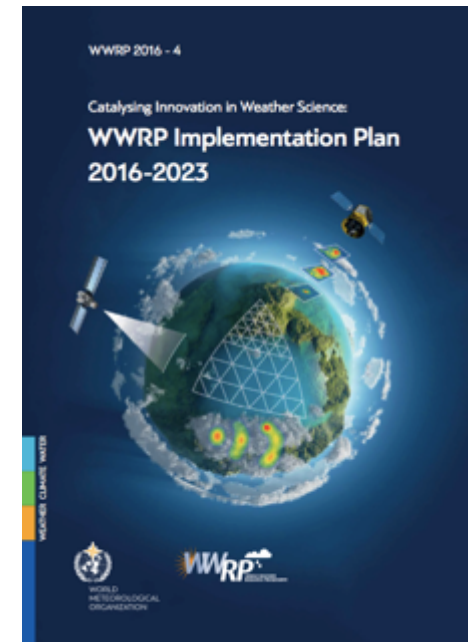
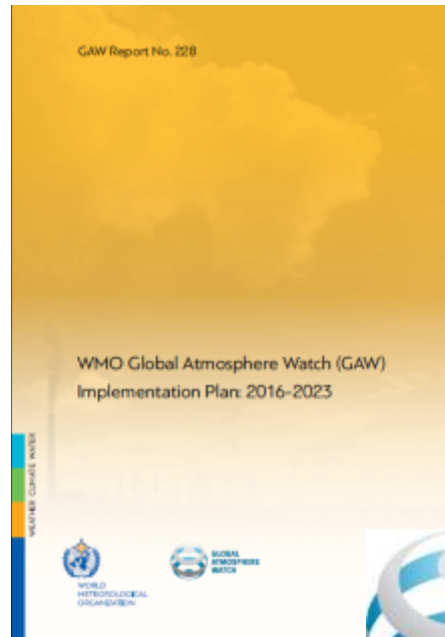
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Addressing six Societal Challenges



CAS is home to

- Global Atmosphere Watch
- World Weather Research Programme
- Working Group on Numerical Experimentation,
joint with WCRP



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Key elements of Science for Services

- Integrated research approach with co-design and coordination of activities between programmes
- Interactive model for transferring research to operations
- Coordinated Regional activities
- Scientific advances across the research spectrum – from basic to applied
- Academic and operational research communities working together

Coordinating modelling activities between WCRP, WWRP and GAW essential for future progress



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WMO Science Agenda will be defined by the upcoming Science Summit and CAS Session

Organised around five themes:

Seamless prediction in 2023: Improving predictive capacity across weather, climate, water and environment.

Future infrastructures: Planning and investing in future infrastructures (computing, data-handling, observations).

Science for services: Developing and implementing a new interactive model for integrating research and operations.

Nurturing scientific talents: Guaranteeing the sustainable development of science; breaking through geographical, gender and age barriers; ensuring institutional continuity and transfer of knowledge.

Innovation and resources: Catalyzing innovation and mobilizing resources in weather, climate, water and environment research globally and locally.



WMO Science Agenda will be defined by the upcoming Science Summit and CAS Session

Bringing together renowned scientists from different disciplines in public and private sector to address key questions for each theme and derive concrete outcomes, identify roadblocks, and define priorities.

Feeding into decision making in CAS session and recommendations to WMO Executive Council and Congress



More information at:
<http://meetings.wmo.int/CAS-17/>

Thank you
Merci



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WEATHER CLIMATE WATER
TEMPS CLIMAT EAU