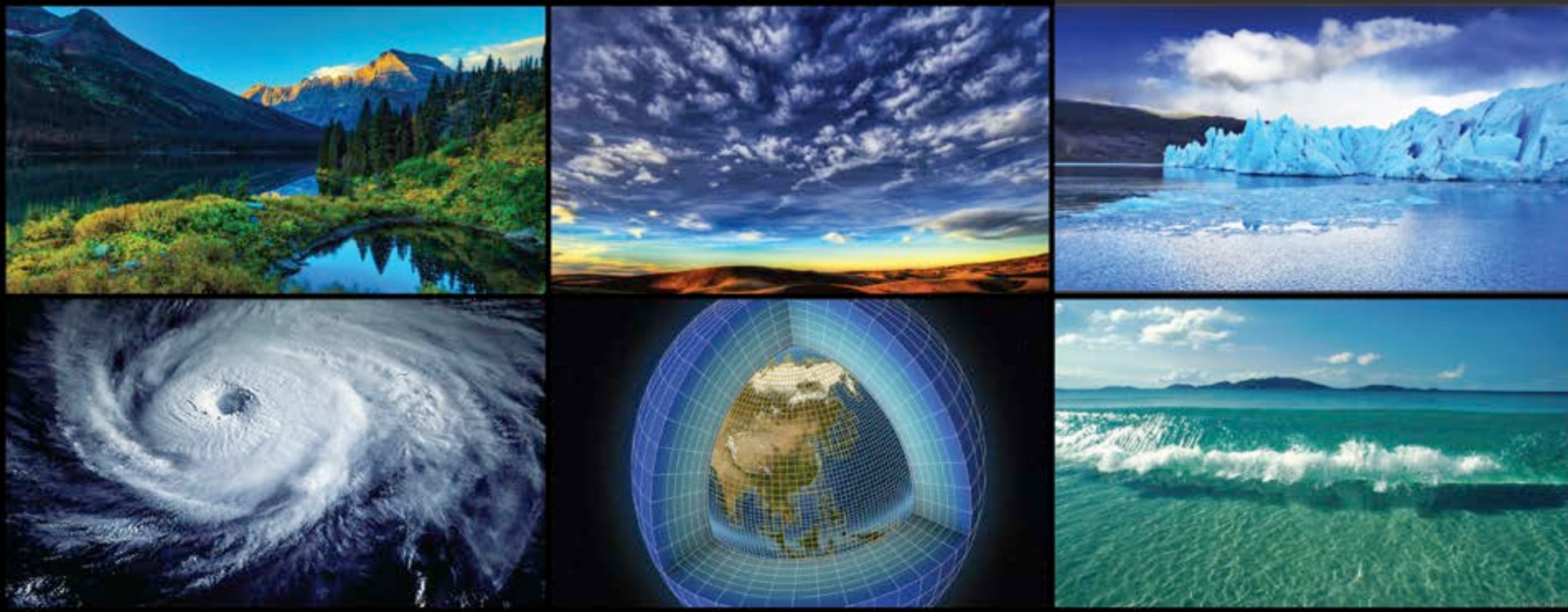




WORLD CLIMATE RESEARCH PROGRAMME

10.2 Input to S2D conference

F. Doblas-Reyes & M. Rixen
OCP-2, 30 May – 1 June 2018
Barcelona, SPAIN



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Evolving context

Research is pulled into a new and broader “operational/service/policy/connected” landscape

- UN Sustainable Development Goals
- Sendai Framework for Disaster Risk Reduction
- Global Framework for Climate Services
- IPCC Assessment Reports
- UNFCCC Paris Agreement and Global Stocktake
- ...



Climate information “on demand”:

- End-user: appetite has no limit, patience has limits
- Internet of things, big data, machine learning
- Seamless, interoperable, open, etc



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International Conferences on Subseasonal to Decadal Prediction

17–21 September 2018 | NCAR, Boulder, CO, USA



- **Second International Conference on Subseasonal to Seasonal Prediction (S2S)**
- **Second International Conference on Seasonal to Decadal Prediction (S2D)**

S2D Conference

Key dates

- **31 September 2017:** First announcement
- **15 December 2017:** Second announcement
- **1 February 2018:** Call for abstract and financial applications
- **16 March 2018:** Deadline for submissions and applications for financial support
- **15 May 2018:** Notification on acceptance of abstracts and financial support
- **11 June 2018:** Preliminary programme
- **30 June 2018:** Deadline for Early Bird Registration

- 400+ abstracts received
- Some 400 participants expected
- Venue capacity limited



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S2D Conference: goals

- to bring together the scientists, producers, and users to foster the exchange of information and knowledge towards more seamless subseasonal to decadal predictions;
- to highlight the current level of progress and accomplishments in S2S and S2D predictions;
- to identify the challenges for transitioning S2S and S2D prediction research efforts **into** operations;
- to review current abilities to make skillful predictions on timescales of interest;
- to identify new initiatives, collaborations, and emerging science questions



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S2D Conference: programme

- **17 September 2018**
- Plenary Welcome (AM) -> “Filling the Research-operations gap, Arun Kumar”
 - S2S and S2D Parallel Sessions (PM)
 - Conference reception
- **18 September 2018**
 - S2S and S2D Parallel Sessions
- **19 September 2018**
 - S2S and S2D Parallel Sessions
- **20 September 2018**
 - S2S and S2D Parallel Sessions (AM)
 - Joint Session (PM)
- **21 September 2018**
 - Joint Session and wrap-up (AM)
 - Steering Committees (PM) - by invitation only – 7 side meetings in //



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Joint session (segment C)

The S2S and S2D communities share very similar scientific and technical challenges in many areas.

- Initialization, initialization shock and model error (includes data assimilation)
- Research to (?) operation (includes seamless prediction)
- Time scale interaction (includes teleconnections)

OCP-2 Workshop, S2D Conference and beyond

SWOT

- Strengths: operational and research community
- Weaknesses: many barriers to progress
- Opportunities: services, policy, broad potential customer base
- Threats: public funding, private sector and other new entrants

NEXT

- Vision: where in 10 years from now? What would 'seamlessness' look like? What would be the value proposition? Game changer
- Strategy: what is the recipe for success and how to measure it?
- Implementation: are there basic principles the community can agree on?



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Thank You



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