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Coping with Water Scarcity in River Basins Worldwide: Lessons Learned from Shared Experiences (Martz Summer Conference, June 9-10)

2016

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SLIDES: Learning from Drought Crises in Federations: Principles, Indicators and Lessons Learned

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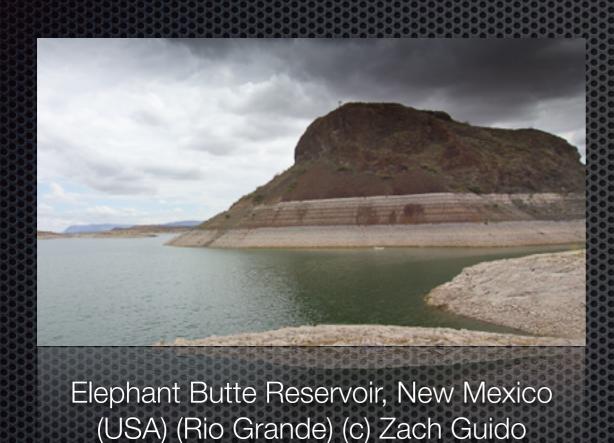
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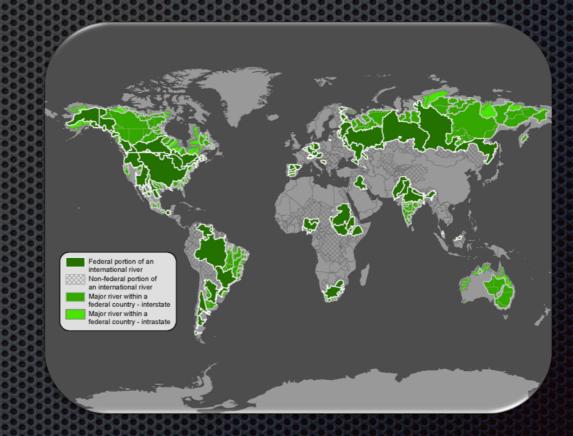
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Learning from Drought Crises in Federations

Principles, Indicators and Lessons Learned





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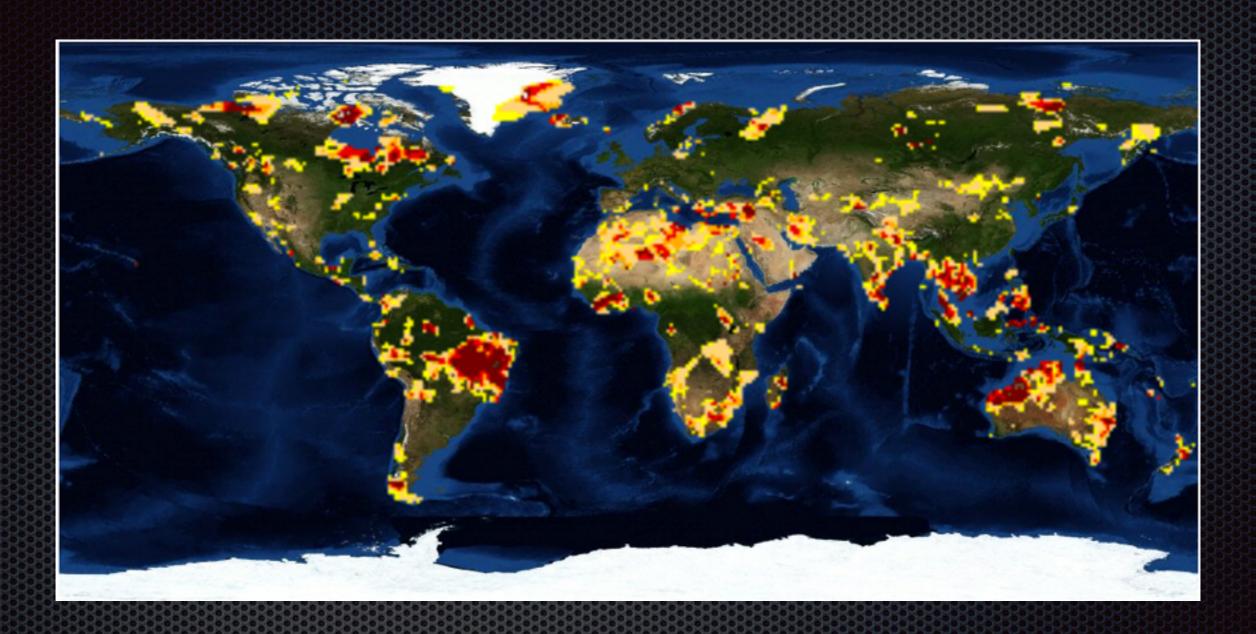












Global Drought Information System Accessed June 9th 2016



Is California trying to take our water?





Federal rivers matter

THE

OPINION » COMMENT

Published: June 3, 2015 00:50 IST | Updated: June 3, 2015 00:50 IST June 3, 2015

The water tribunal trap

Srinivas Chokkakula

FOREIGN AFFAIRS

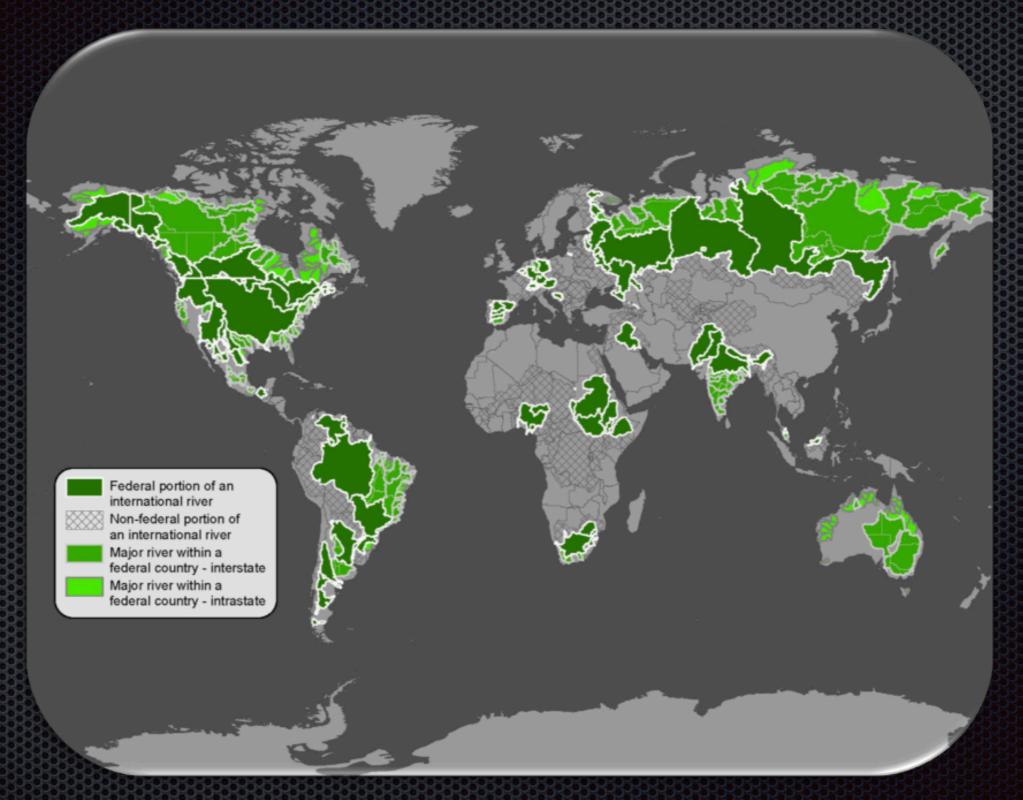
INDIA'S WATER POLITICS
Scott Moore

India's Water Politics

When Drought Leads to Discord

By Scott Moore

What are federal rivers?

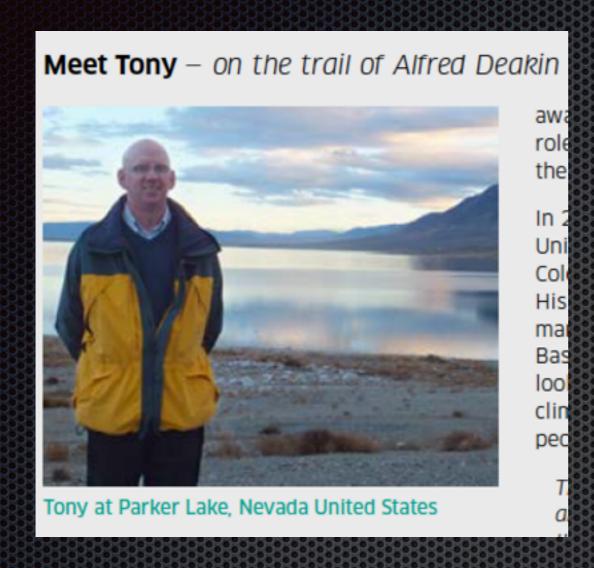


"Major" river basin within or shared by a country with a federal political system

Objectives

Establish a policy-oriented research agenda and partnership of researchers, practitioners and PhD students to develop, compare and learn from case studies of drought adaptation in federations of North America and internationally.

Advance our understanding of the factors and institutions influencing cooperation, conflict resolution and capacity to adapt to droughts and extreme climate events in federal rivers.



MDBA 2015

"The 21st century will almost certainly be an era of increased global circulation of water issues, inquiry, expertise, and action...In light of the critical water problems faced in every region of the world, the next twenty years will require a major shift from largely implicit comparisons to rigorous comparative analyses

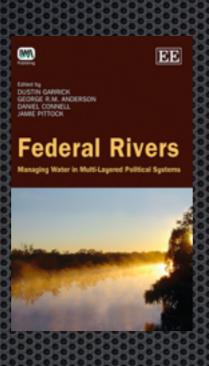
- James Wescoat, 2009

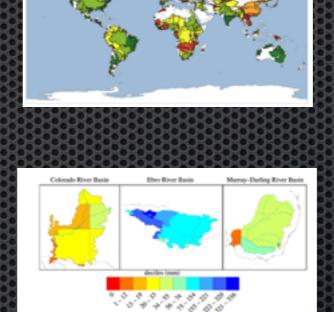
Global and river basin perspectives

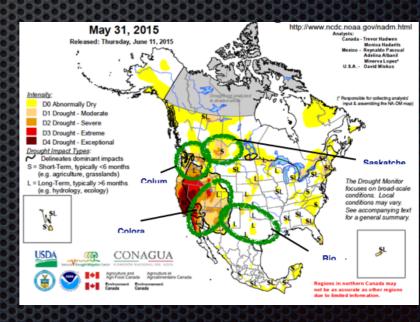




2008-9 Attention







2012

Oxford
Workshop
Case Studies

2013-4

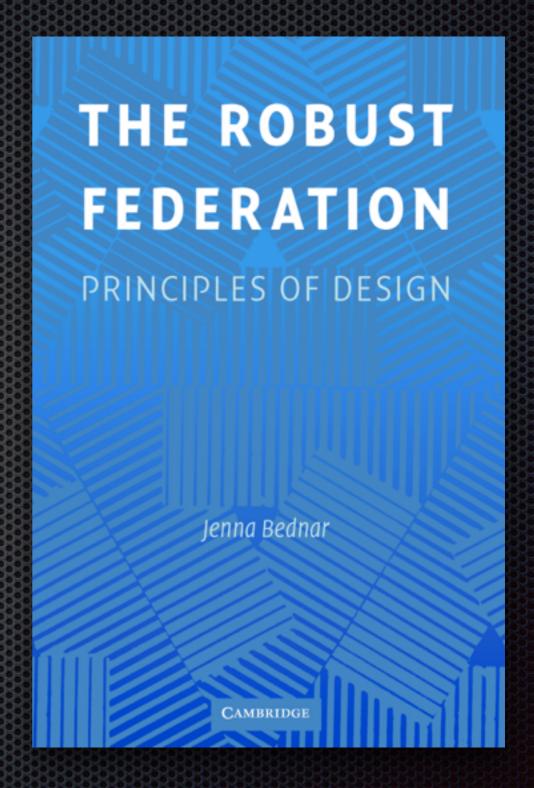
Diagnostic

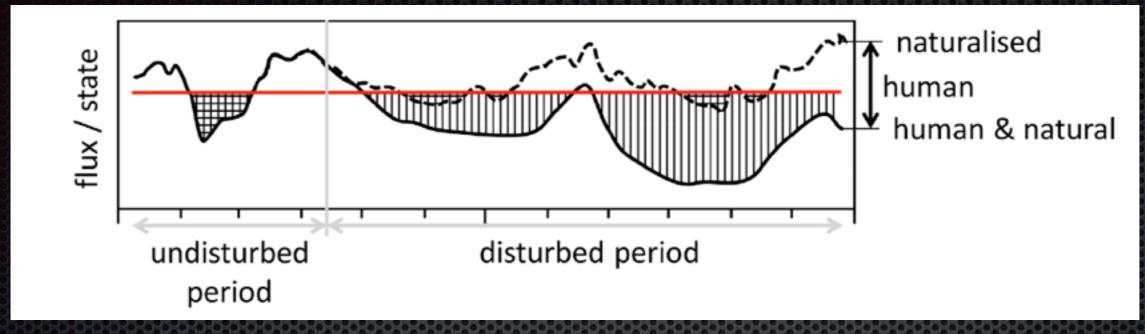
2014-present

TRACE

Federalism defined

- 1. Geopolitical division
- 2. Independence
- 3. Direct governance





Van Loon and Van Lanen 2013

Drought

A socially constructed crisis

A stress test for intergovernmental arrangements

Adaptation: Institutions, Infrastructure and Information

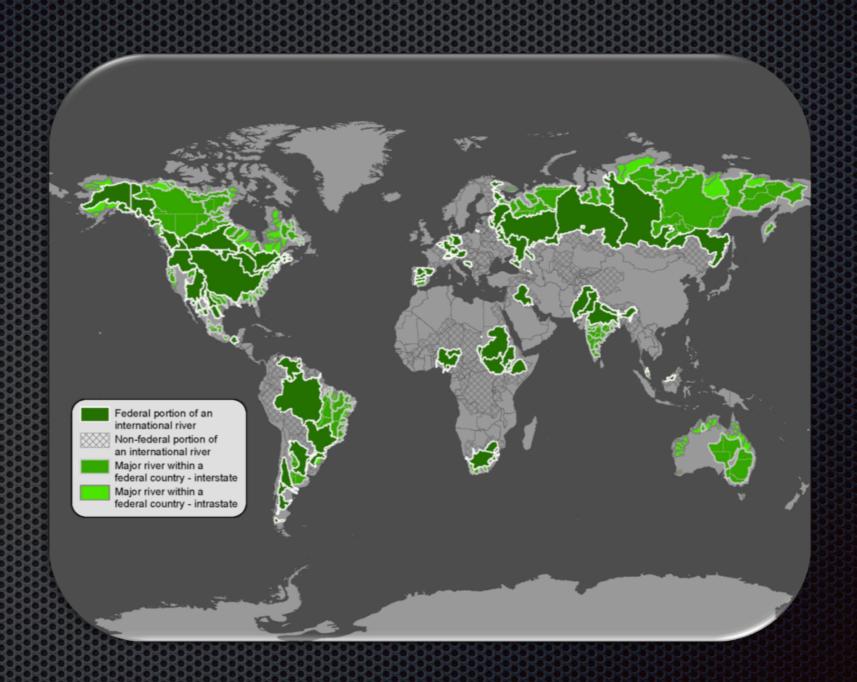
1	Constitutional provisions
2	Interstate water agreements (joint infrastructure, apportionment)
3	Infrastructure planning, financing and operations
4	River basin organizations (authorities, commissions)
5	Variability management provisions (droughts, floods)
6	Role of law
7	Conflict resolution mechanisms (courts, settlements, ADMs)
8	Fiscal arrangements
9	Data sharing, joint monitoring and river system modelling
Emphasis on inter-governmental and multi-level governance attributes of	

adaptation options and adaptive governance

Federal rivers network



archival data, field surveys, etc



Frameworks for sharing lessons

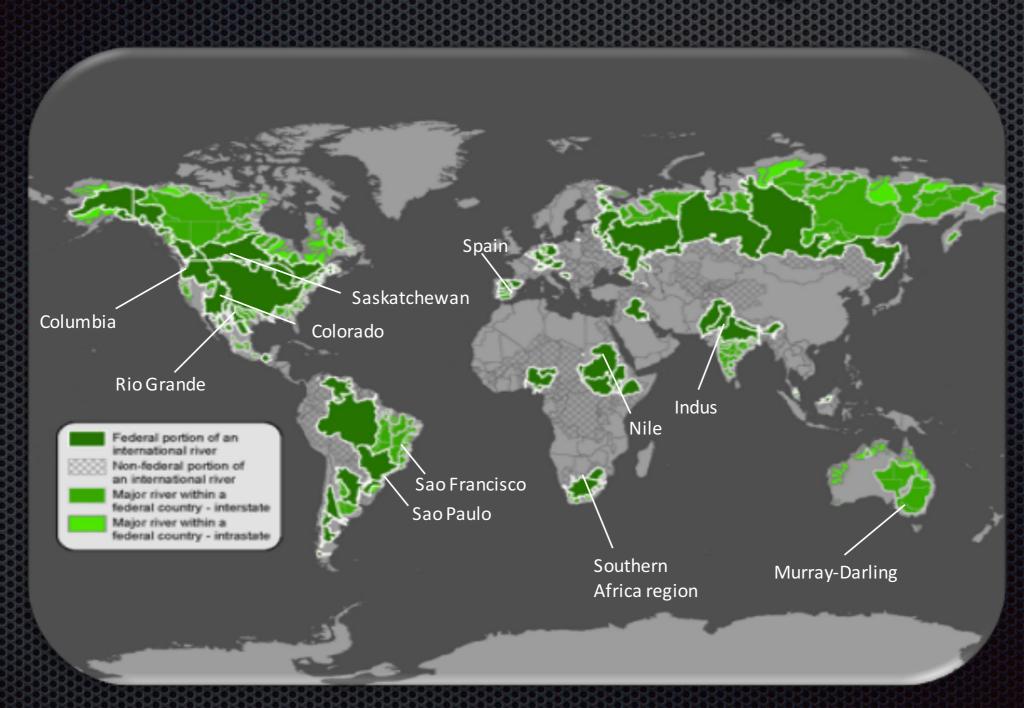
Data architecture to store and analyze physical, institutional and socioeconomic data Network of researchers and practitioners

Building the network



17 senior researchers. 10 practitioners. 8 PhD Students. 40 rivers

Study basins and regions



Same water... different laws

India — TRAIN Srinivas Brazil -

Water politics spilling over...

Politics matter ... a lot Water politics spilling over to national politics

"I see political problem behind these things....
the politicians want to play with the nerve of the people to get more and more votes...
otherwise, it is very easy to solve this problem."

 Ms Uma Bharati, Senior BJP Leader and, current Union Minister for Water Resources, 29 July 2012 (then in opposition).



Professor e pesquisador



Uma carreira dedicada à água e à energia

 É doutor em Hidrologia e Recursos Hídricos pela Colorado State Univer-

'NÃO É PECADO PEDIR À POPULAÇÃO ECONOMIA DE ÁGUA E DE LUZ'

Conscientização poderia ter preservado os reservatórios, alerta especialista



"What turned this into a real problem was the political dispute. It would have been enough to say that reservoirs are empty and there is lack of water [for all users] We have to use water wisely"

(Ing. Jerson Kelman. Former Director of Brazil's National Water Agency, former Director of the National Energy Agency. Current President of Sabesp S.A, 9 Nov 2014)

Courts ... a necessary evil?

- Act as an incentive for reaching agreements
- Win-lose situation that fuels the dispute

La Sentencia del Tribunal Supremo de 20 de octubre de 2004 que anula el Plan Hidrológico del Júcar. Una decisión clarificadora sobre la distribución competencial en materia de aguas



PROVINCIA

Recursos hídricos

El Supremo reabre la guerra del agua en el Júcar

E.F. - viernes, 3 de julio de 2015

Supreme Court will hear Texas-New Mexico water dispute

STATE & REGIONAL GOVT & POLITICS By Asher Price - American-Statesman Staff









Posted: 6:32 p.m. Wednesday, Jan. 29, 2014



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PM's \$10b water plan

January 25, 2007
Page 1 of 2 | Single page

Prime Minister John Howard has announced a \$10 billion national water management plan that includes a Commonwealth takeover of Australia's biggest river system.

State election unlikely to change SA's Basin funding cut

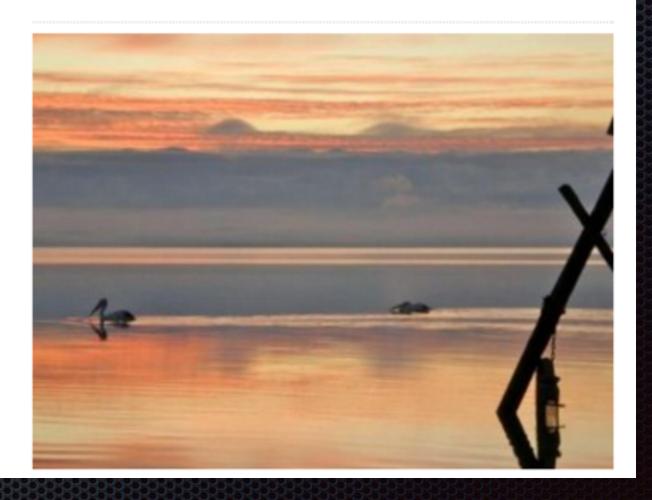


Updated 9 Mar 2014, 9:32pm

South Australia seems likely to halve its funding to the Murray-Darling Basin Authority regardless of who wins the state election on Saturday.

The current Labor government has previously announced its intention to cut its contribution to river maintenance and other programs by \$14 million.

That's in retaliation against New South Wales, which has more than halved its own contribution to the Basin Authority.



Feds and states...each plays a role





Agenda

Proceedings - co-edited by PhD student team, to feature summary, main messages and crosscutting themes

Policy brief / issues paper - aimed at practitioners (Forum of Federations)

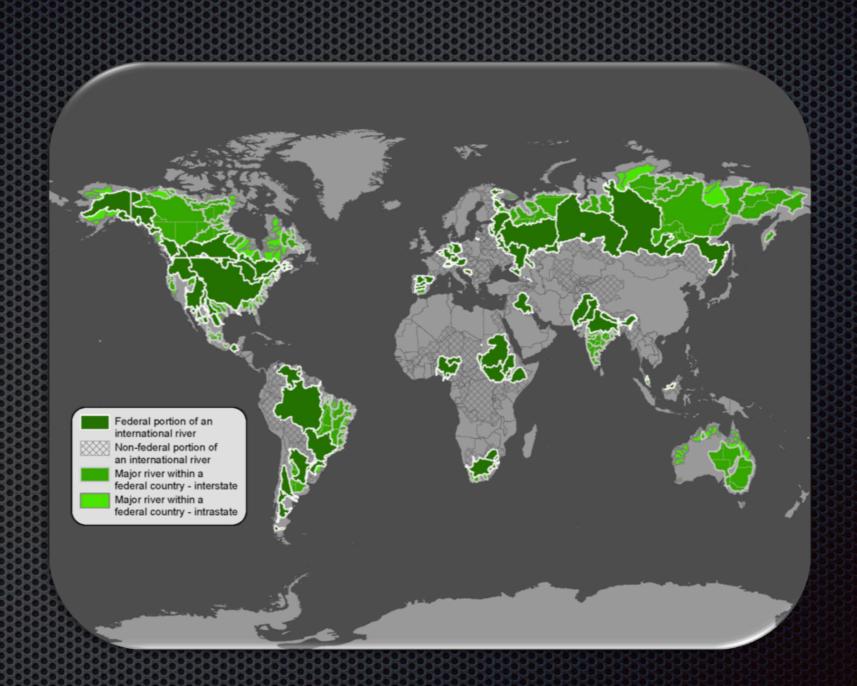
Special Issue - provisionally Water International

Working groups (ad hoc) - proposals, principles, indicators, etc.

Partnership, networks and next steps



archival data, field surveys, etc



Frameworks for sharing lessons

Data architecture to store and analyze physical, institutional and socioeconomic data Identify factors and institutions that enhance cooperation, conflict resolution and adaptive capacity; opportunities to learn from other levels and from other sectors.

Thank you

