



Enhancing Synergies for disaster PRevention in the EurOpean Union



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WP4 : the Action DataBase

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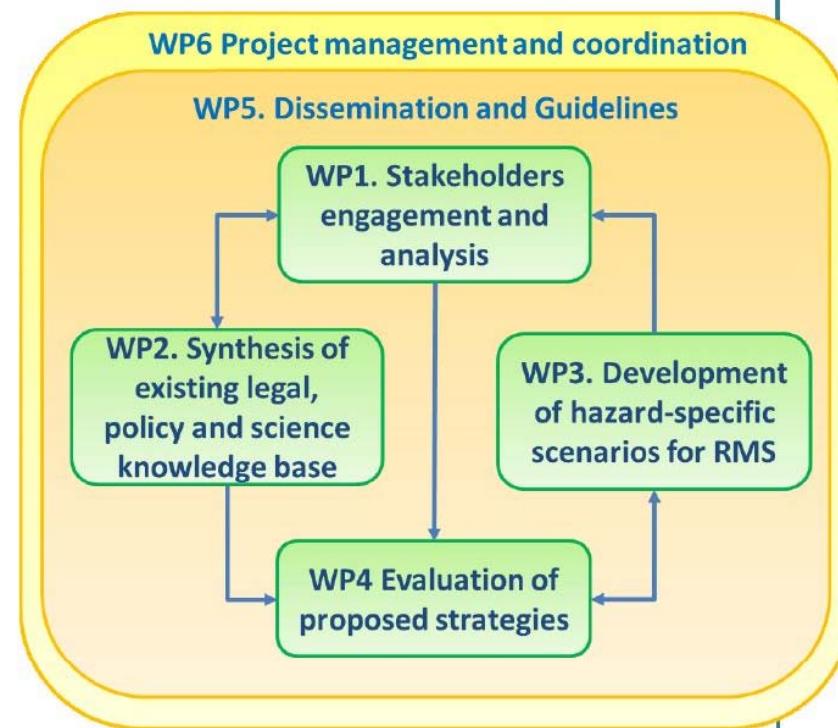
Plenary Meeting

Gilles - April 25, 2018



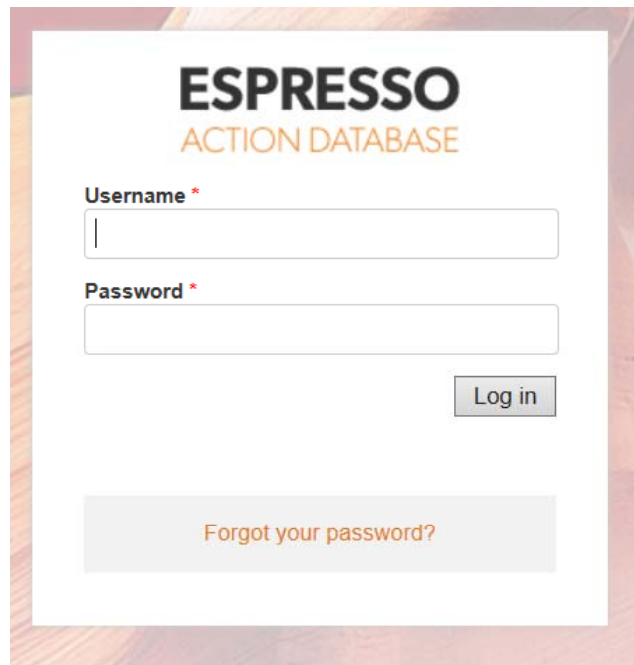
The ADB objectives

- **Identification of actions** to answer sticking points identified in WPs 1 and 2
- **Identification of future research activities** for the topics without operational solutions
- **Identification of ways to mainstream and integrate these actions** in law, regulation and decision making processes



INPUT: Exchange with other WPs, Formalization of discussion and exchanges during the Stakeholders Forum and Think Tanks

ADB – final version



ESPRESSO
ACTION DATABASE

Username *

Password *

Log in

Forgot your password?

- Available on <http://adb-espresso.brgm.fr>
- DRUPAL 7 technology
- Possible use :
 - Add an entry
 - Browse through the ADB thanks to search module

Content Structure People My drafts Needs review Search 0 / 1 Hello Audrey BAILLS Log out

Deutsch English Français Italiano

ESPRESSO

ACTION DATABASE

Keyword

Thematic context

State of implementation

Territory

Spatial scale

Hazard type

Espresso's Challenge concerned

Language

Sort by

Apply Reset

Displaying 1 - 10 of 79 [Add an action](#)

Évaluation prospective de l'efficacité d'une stratégie de lutte contre l'érosion et le ruissellement
Other • BRGM
Espresso's Challenge concerned: Disaster Risk Reduction

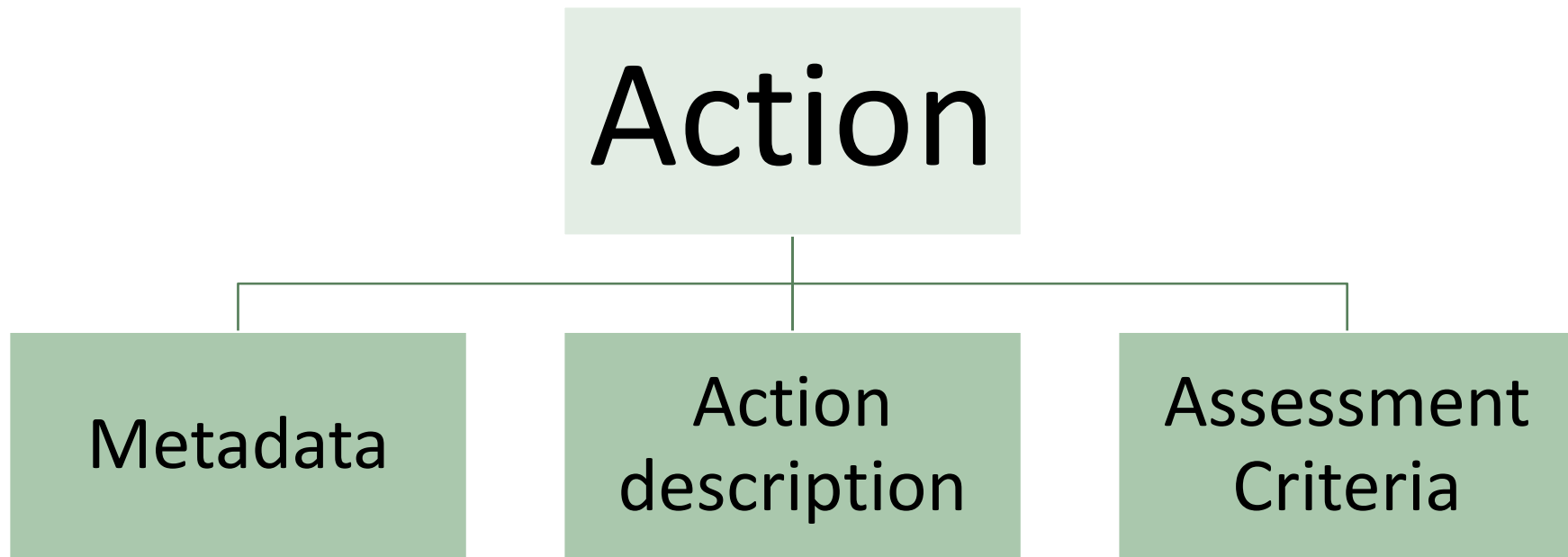
Adaptation de la société face aux risques en montagne dans un contexte de changement global
Scientific research/data acquisition • BRGM • 2015
analyse de l'évolution de l'aléa et du risque selon des scénarios prospectifs de changement global (y compris le CC) sur plusieurs territoires - analyse de la résilience
Espresso's Challenge concerned: Disaster Risk Reduction, Climate Change Adaptation

Plan de Prévention des Risques Sismiques aux Antilles
Policy/legislation/regulation • BRGM
Il s'agit d'intégrer la composante sismique dans les Plans de Prévention des Risques Naturels, sur la base des études de microzonages sismiques. Par cet outil, l'Etat légalise la mise en place de règles parasismiques de construction plus (ou moins) contra
Espresso's Challenge concerned: Disaster Risk Reduction

Plan Adaptation Changement Climatique - "Erosion côtière" Nouvelle Aquitaine
Scientific research/data acquisition, Policy/legislation/regulation • BRGM
Les attentes du projet concernent des projections de l'évolution du trait de côte dans un contexte de changement climatique, intégrant la prise en compte des différents facteurs physiques en jeu dans l'élévation du niveau de la mer. L'application des résu
Espresso's Challenge concerned: Climate Change Adaptation

Impact des mesures de conservation des sols sur la réduction du ruissellement et de l'érosion sur le vignoble champenois
Scientific research/data acquisition • BRGM
Évaluation prospective de l'efficacité d'une stratégie de lutte contre l'érosion et le ruissellement par la mise en place de pratiques de conservations des sols (enherbement des inter-rangs de vigne et des tournières) à l'aide d'outils de modélisation
Espresso's Challenge concerned: Disaster Risk Reduction

The ADB structure



Notation Systems and extractions

- ESPRESSO challenges
 - => provide inputs to D4.7 and analyse ADB contents according to the 3 challenges
- Extended Sendai categories
 - Risk evaluation and understanding
 - Optimising governance
 - Investment for increasing resilience
 - Improvement of response
 - Potential for transformative change
- SHIELD model / Guidelines categories
 - From Disaster Risk Management to Disaster Risk Governance
 - Sharing Knowledge
 - Harmonizing Capacities
 - Institutionalizing Coordination
 - Engaging Stakeholders
 - Leveraging Political Commitment
 - Developing Communication

Action's evaluation (1/ 4)

- Extended Sendai Framework
 - 5 categories (4 from SFDRR + 1 on transformative changes)
 - 32 criteria ranking from 0 to 5
- SHIELD model / guidelines criteria
 - 7 categories
 - 25 criteria ranking from 0 to 5

Action's evaluation (2/ 4)

- For each category, the score is the mean of criteria's notes
 - If criterion is not filled: it is not taken into account in the mean calculation

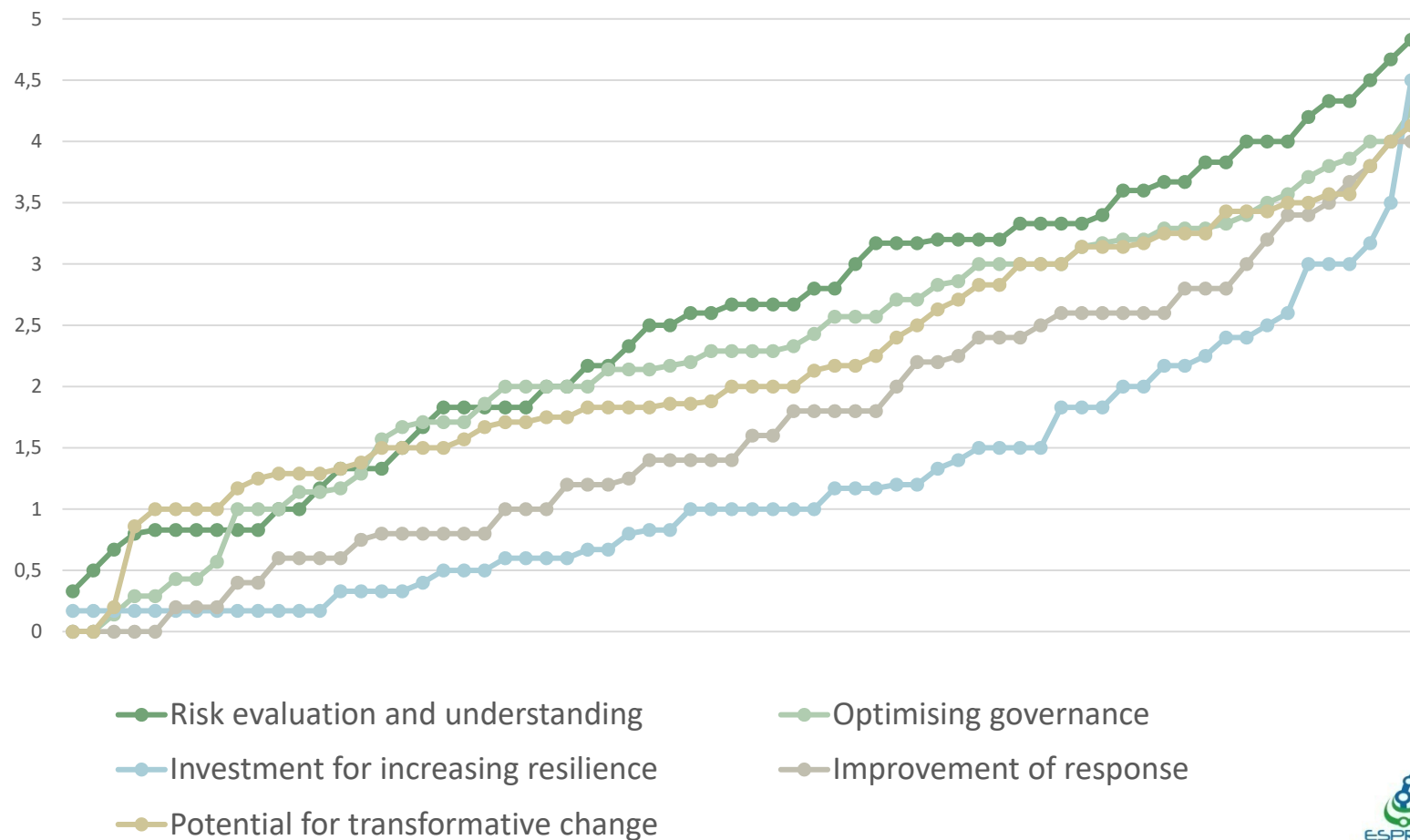
- Example

Risk evaluation and understanding						
	Does the action have an impact on the fundamental scientific understanding of natural hazards and/or climate change?	Please evaluate the action's influence on transparency and public access to natural risk and/or climate change data?	Is the action able to federate different disciplines (physical/engineering/social science, jurisdiction, politics...)?	Does the action contribute to create, enrich or improve data content?	Does the action have an impact on local risk culture or population's risk memory?	Does the action integrate local and indigenous knowledge?
Have greater coherency and efficiency of funding mechanism	5	2	5	2	2	Don't know

- Score = $(5+2+5+2+2)/5 = 3,2$ for « Risk evaluation and understanding »

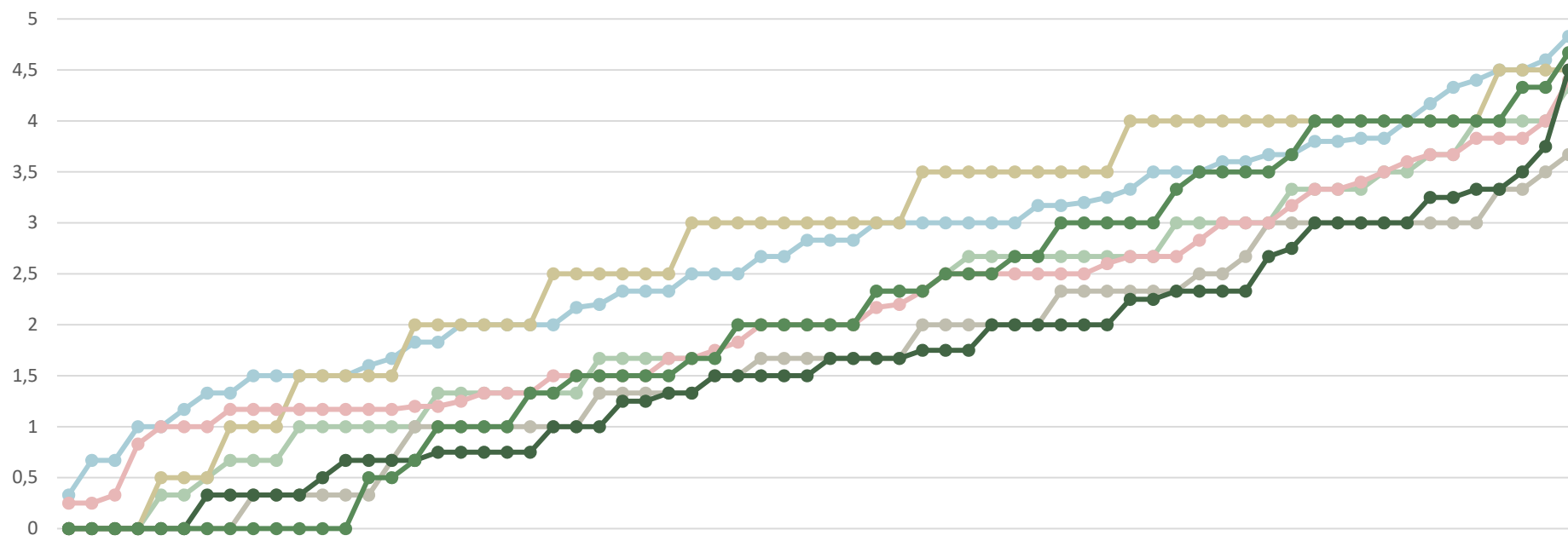
ADB content

Cumulative score repartition according to each guidelines category



ADB content

Cumulative score repartition according to each guidelines category



— Chap. 1: From Disaster Risk Mgt to Disaster Risk Gov.

— Chap. 2: Sharing Knowledge

— Chap. 3: Harmonizing Capacities

— Chap. 4: Institutionalizing Coordination

— Chap. 5: Engaging Stakeholders

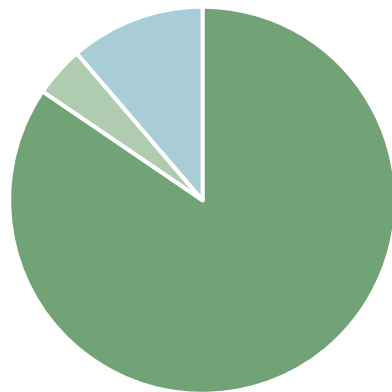
— Chap. 6: Leveraging Political Commitment

— Chap. 7: Developing Communication

ADB content

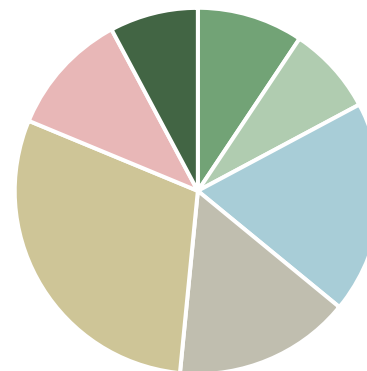
- 84 actions for now

ESPRESSO Challenges



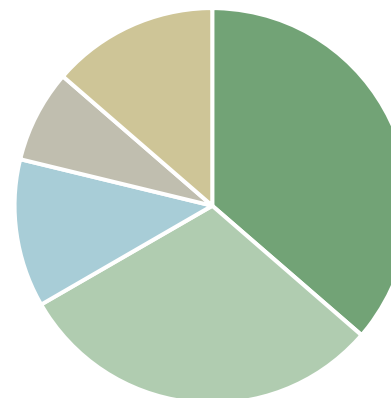
■ Challenge 1 ■ Challenge 2 ■ Challenge 3

Thematic context



■ Funding scheme/financial instrument
■ Technological development/innovation
■ Education/information/communication/outreach
■ Governance/public infrastructure
■ Scientific research/data acquisition
■ Policy/legislation/regulation
■ Other

Source of information



■ Project report or other deliverable
■ Professional experience
■ Scientific publication
■ Think tank
■ Literature

What ADB can do for now...

- Help to identify actions or measures for DRR or/and CCA
- Analyse actions: filter, classify, rank
- Evaluate actions in terms of efficiency using the criteria marks
- Track changes when action evaluation evolves
- Extractions by challenges were provided too UCPH for D4.7

What still needs to be done

- ADB will be completed in the next months
 - Results can be used for deliverables but some figures may need to be updated
 - When the ADB should be considered as final (no more actions taken into account for the project)?
- Analysis of the ADB content for
 - The Vision Paper
 - The Guidelines

Some examples

Extended Sendai framework

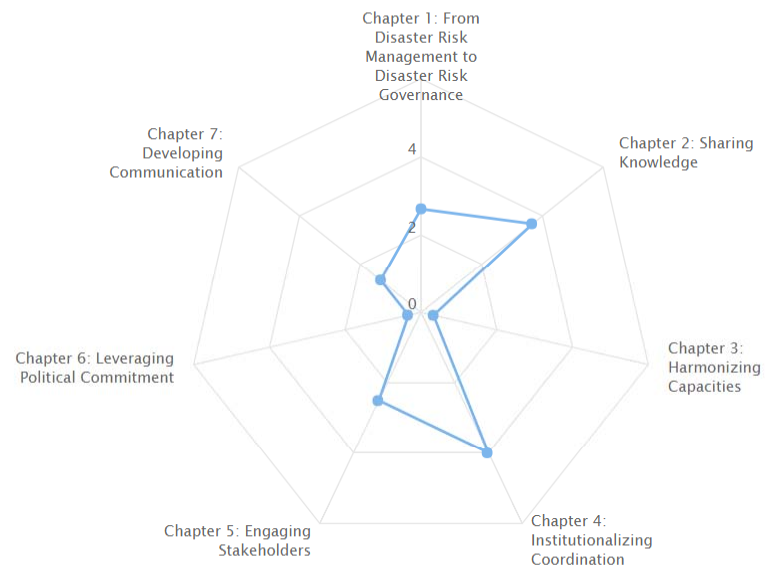
Risk evaluation and understanding

SHIELD model

28%
of actions
encourage
new data
acquisition

Potential for transformative change

Improvement of response



Deliveries

- 4.1 1st version of the ADB in English > delivered
- 4.2 Final version of the ADB > finishing the report
- 4.3 ADB in french German Italian > delivered
- 4.4 First set of indicators > delivered
- 4.5 Final set of indicators > finishing
- 4.6 Web-based ADB > delivered
- 4.7 Solutions for the 3 challenges > finishing (UCPH)

Thanks for attention!

Possible analysis

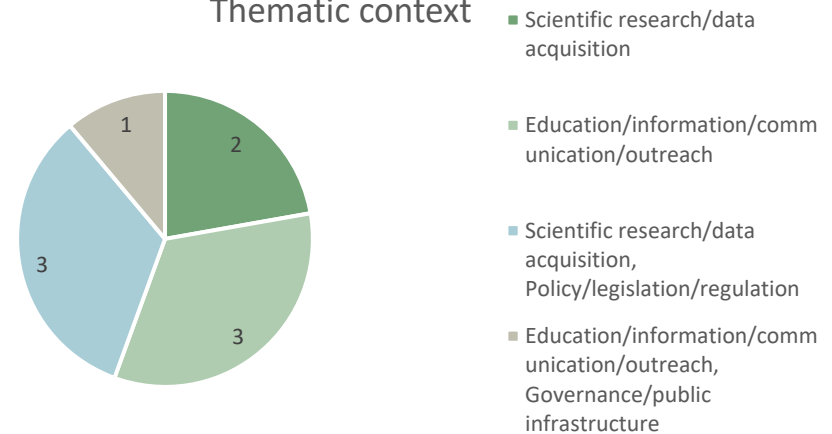
- For each criterion, the maximum score is S_{\max}

Criterion	Number of actions with $N \geq 0,8 * S_{\max}$		
Risk evaluation and understanding	$S_{\max} = 4,83$	$N \geq 3,86$	9 actions
Optimising governance	$S_{\max} = 4,25$	$N \geq 3,4$	9 actions

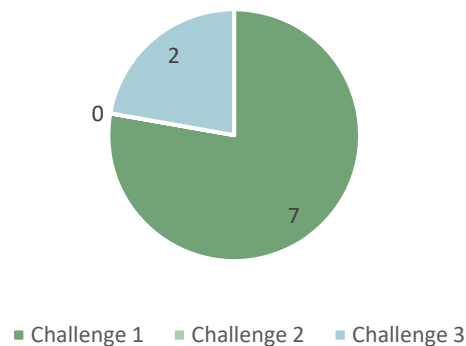
Sendai criteria: Risk evaluation and understanding

- 9 actions
- No clear pattern
 - Various kind of actions
 - Various hazards concerned
 - Various scales

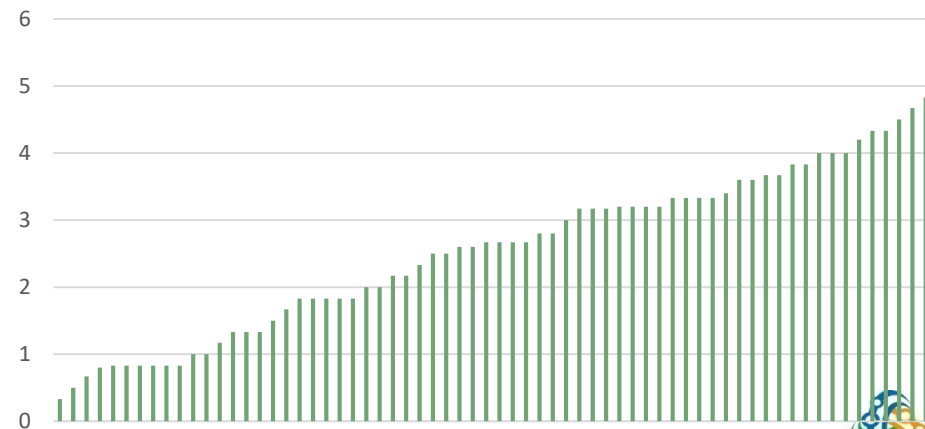
Thematic context



ESPRESSO Challenges



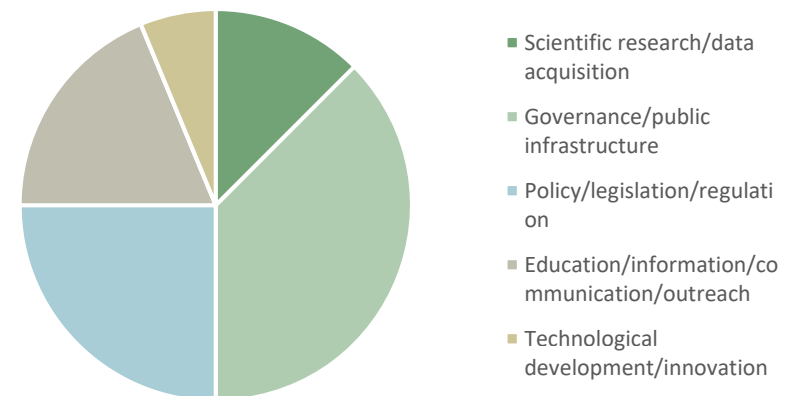
Repartition of quotation for Risk evaluation and understanding



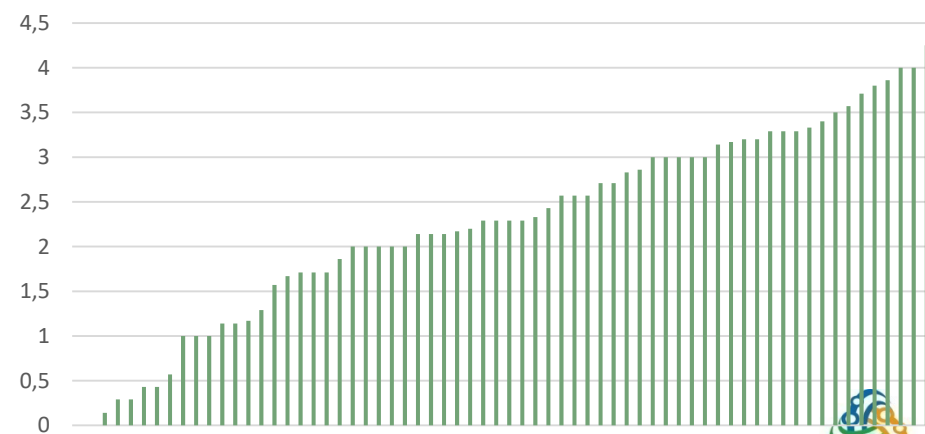
Sendai criteria: Optimising governance

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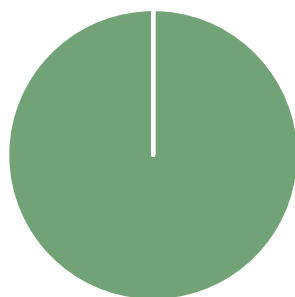
Thematic context



Repartition of quotation for Optimising governance



ESPRESSO Challenges

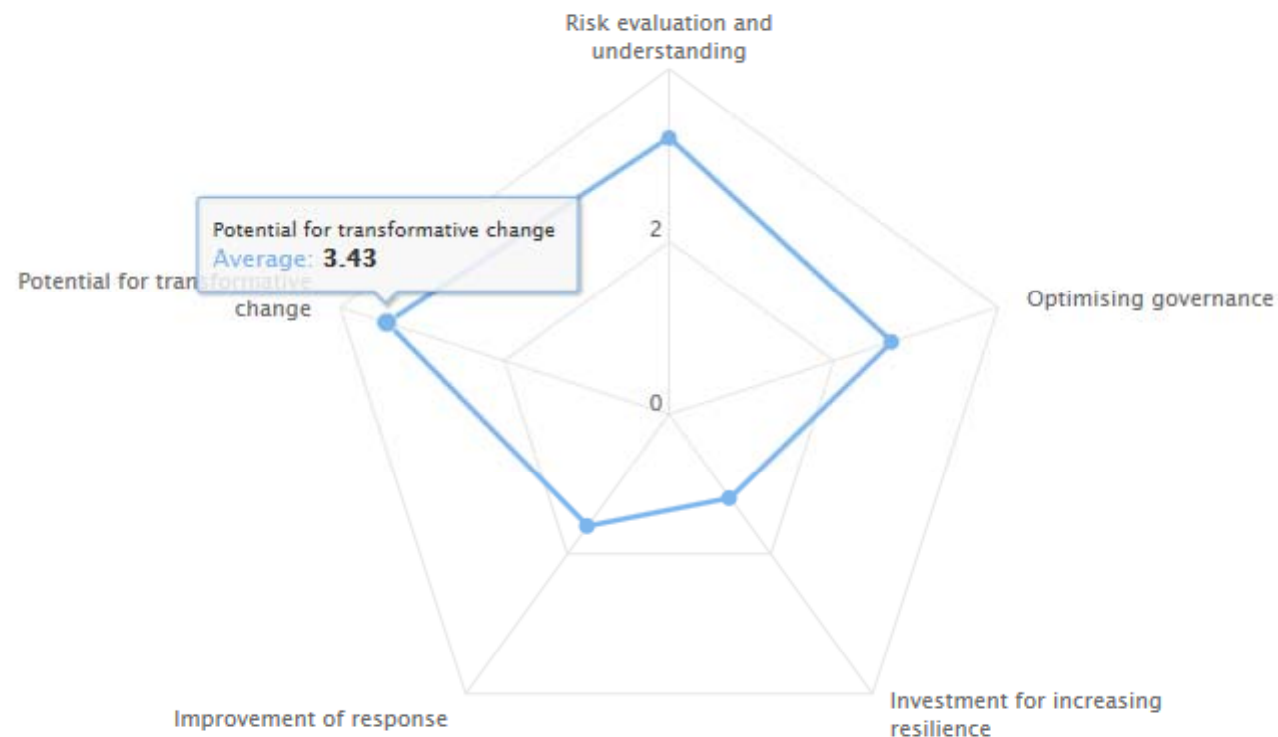


■ Challenge 1 ■ Challenge 2 ■ Challenge 3

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Action's evaluation (3/4)

Extended Sendai framework



Action's evaluation (4/4)

