Transforming Teamwork to Confront Complex Socio-Ecological Challenges:

Generating New Knowledge for Effective Action in the Americas

A spatial preliminary approach for the synthesis of survey data

Michelle Farfán Gutiérrez (Universidad Nacional Autónoma de México, México)
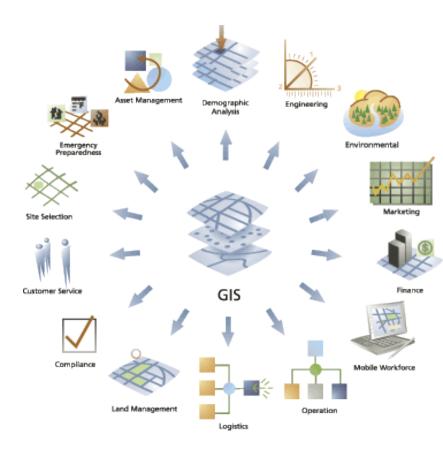
Expected Results & Products

1) Individual and TD/IT teams Profiles
2) Conceptual ABM

3) Larger Grant Proposal
4) "Knowledge-for-Action" Best Practices & Evaluation Criteria Handbook
5) Peer-reviewed publication in Spanish and English language journals.
6) Conference presentation
7) Project website & research blog
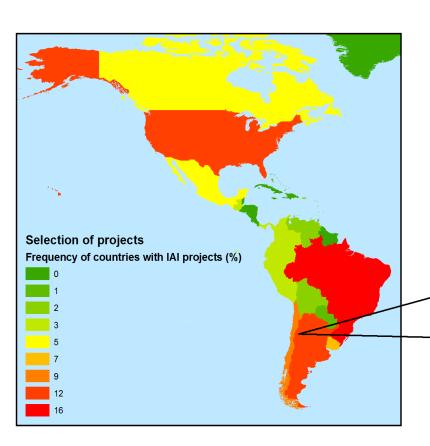
Expected Results & Products
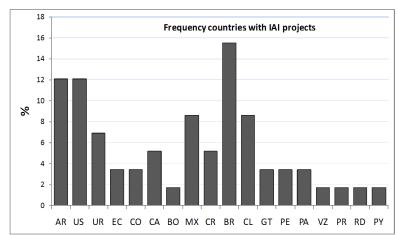
- **TD/IT teams Profiles**

Demographic survey data

Geographic Information System (GIS)

1)Country level
2) Project level

TD/ID TEAM

Survey data synthesis: 22 TD/ID teams profiles at country level

Selection of projects
Frequency of countries with IAI projects (%)

- 0
- 1
- 2
- 3
- 5
- 7
- 9
- 12
- 16

Frequency countries with IAI projects

(bar chart, x-axis: AR, US, UR, EC, CO, CA, BO, MX, CR, BR, CL, GT, PE, PA, VZ, PR, RD, PY; y-axis: %)
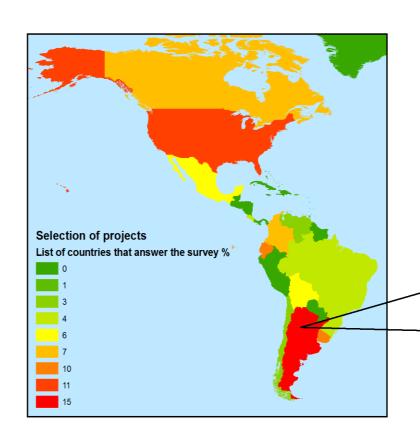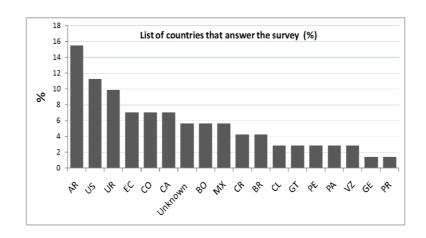
22 projects selected

Towards an integrated assessment of water security under global change in the Americas.
Argentina, Brazil, Paraguay, USA

Sensing the Americas' freshwater ecosystem risk from climate change.
Argentina, Canada, Chile, Colombia, Uruguay, USA

FID	Shape	CNTR_ID	SHAPE_Area	SURVEY_ANS	PROJ_COUNT
6	Polygon	BR	708.051544	4	16
2	Polygon	AR	278.29443	15	12
35	Polygon	US	1101.052443	11	12

TD/ID Projects at country level

Selection of projects
List of countries that answer the survey %
- 0
- 1
- 3
- 4
- 6
- 7
- 10
- 11
- 15
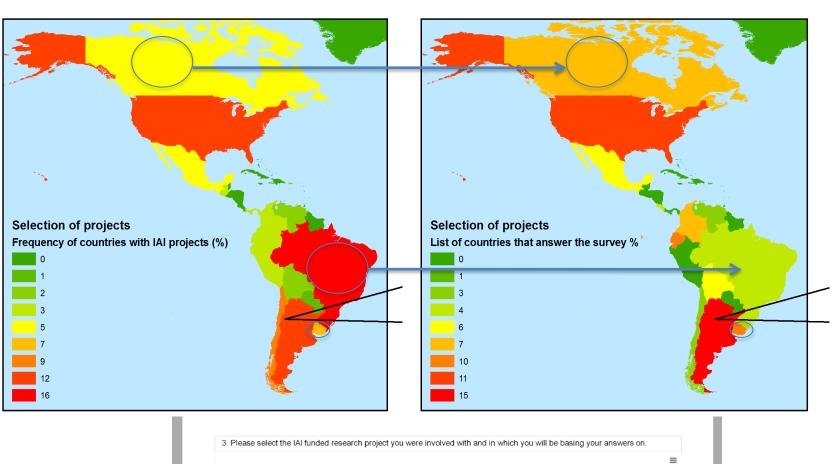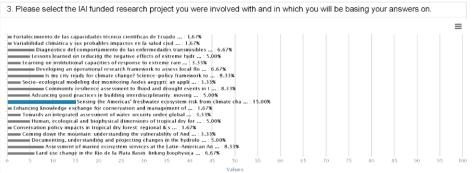
List of countries that answer the survey (%)

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6	Polygon	BR	708.051544	4
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35	Polygon	US	1101.052443	11

Who is missing?

Case study map: frecuency of countries with TD/ID teams

Study cases

CASESTUDY
- A
- A, E
- B
- B, C
- B, C, D
- D

STUDY CASES PER COUNTRY

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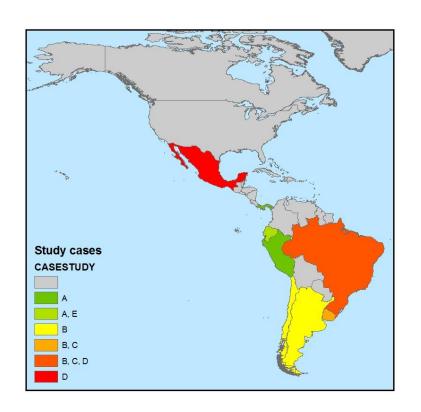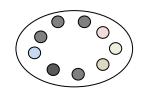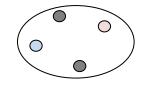Argentina, Canada, Chile, Colombia, Uruguay, USA

Attributes of Study cases

FID	Shape *	CNTR_ID	SHAPE_Area	SURVEY_ANS	PROJ_COUNT	CASESTUDY
6	Polygon	BR	708.051544	4	16	B, C, D
2	Polygon	AR	278.29443	15	12	B
35	Polygon	US	1101.052443	11	12	
10	Polygon	CL	78.841163	3	9	B
36	Polygon	UY	17.155969	10	7	B, C
9	Polygon	CA	1687.118377	7	5	
25	Polygon	MX	174.230143	6	5	D
11	Polygon	CO	92.806986	7	3	
16	Polygon	EC	20.825417	10	3	A, E

Record: 1   Show: All   Selected   Records (0 out of 40 Selected)   Options

Final considerations

TD/ID-Teams Profiles

Number of members per project at country level
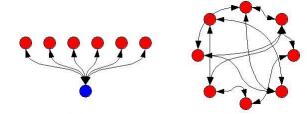
Team configurations

Frequency of meetings

Potential ABM Decision Rules

GRACIAS