



# Science for Adaptation Community of Practice (CoP) Translating science to action

Connecting researchers and local managers of  
watersheds



**USAID**  
FROM THE AMERICAN PEOPLE

PARTNERING FOR ADAPTATION  
AND RESILIENCE – Agua  
(**PARA**–Agua) PROJECT



## PARTNERING FOR ADAPTATION AND RESILIENCE – Agua (**PARA–Agua**) PROJECT

### Our Mission

“Strengthening the capacity of the research community to generate policy-oriented data on Watershed Management and climate change adaptation”.



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Gap analysis main results: science and practitioners linkages in Colombia and Peru

Actions implemented for closing the gaps

Actions conducted in the Community of Practice 'Science for Adaptation'



## Connecting hydrology and climate science to decision making GAP ANALYSIS

1. Although growing, **research is scarce** because of the limited resources devoted to it...
2. Research **is not connected** to management needs. There is no demand driven research process
3. Management mechanisms (e.g. Water Councils in Watersheds) are **not used** to promote dialogue with the science community
4. **Lack of willingness and skills** among scientists to engage in advocacy
5. Information is **scattered** and **access is limited**
6. **Territorial and time scales in research are not relevant** to decision-making needs in watersheds. Disconnected from development plans or the formulation of public investment projects
7. Management based on evidence is not part of the organizational culture. A shared focus on **monitoring** has the potential to articulate the two communities
8. **Both researchers and managers** need to develop new capacities to cooperate



# Actions Implemented for closing the gaps:

1. Water managers contribute to elaborate policy-oriented **research agendas**
2. Scientists **formulated research projects in partnership with decision makers**
3. Strengthen the role of researchers in **Council groups**.
4. Developing a Toolkit for linking science to decision-making:
  1. “Tools for **communicating science to decision makers**”, and Virtual Course
  2. “Tools for **organizing information systems and networks**”, and Watersheds Observatories websites developed
  3. “Tools for **taking robust decisions** in water resources management using climate change scenarios”
  4. “Tools for **monitoring** the performance of water resources management policies”
5. Researchers and Managers **capacities strengthened** by working together



**“Science for Adaptation CoP”**  
**Web site and educational platform**





www.para-agua.net

INFRASTRUCTURE

that facilitate the exchange of

KNOWLEDGE & RESOURCES

to empower

PEOPLE

# “Science for Adaptation CoP”



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## INFRASTRUCTURE

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exchange of

## KNOWLEDGE & RESOURCES

to empower

## PEOPLE

# Easy to use tools to share information and resources



Text



Events



Files



Links



Photos



Videos



Polls



Tasks



Audio



www.para-agua.net

# Specialized repository

INFRASTRUCTURE

that facilitate the exchange of

KNOWLEDGE & RESOURCES

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PEOPLE

TODO

CAPACITACIÓN

GUÍAS

INICIATIVAS

INVESTIGACIONES

NORMATIVA

NOTICIAS

PARA AGUA

VIDEOS

PARA-Agua: Proyecto para la Adaptación y Resiliencia - Agua



Premia a Cusco por "sembrar y cosechar agua" para adaptarse cambio climático



Crean Centro de Estudios de Alta Montaña para defender Los Andes Centrales de Colombia



Valorización ecosistémica en el sector del agua. ¿Qué narices es eso?



CARGAR TODO

## RECURSOS DIGITALES

Autor ▼

País ▼

Año ▼

Categorías ▼

Etiquetas ▼



Eficiencia energética y regulación económica en los servicios de agua potable y alcantarillado



Wastewater Management: A UN-Water Analytical Brief



Water for a Sustainable World. Informe sobre el Desarrollo Mundial del Agua. ONU 2015



Gender Equality and Female Empowerment - USAID Policy



Adapting Infrastructure and Civil Engineering Practice to a Changing Climate



PARA-Agua fortalece alianzas estratégicas en los Pactos por la Cuenca del Río Chinchiná



Género para asegurar el desarrollo sostenible. Análisis del Portafolio de Programas de USAID/Perú



Perú: 10 claves para conocer más sobre Montañas, Glaciares y Agua



Metodología de Análisis de Amenazas Naturales para Proyectos de Inversión Pública en Etapa de Perfil

Anterior

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Siguiente





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# Toolkit

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## PEOPLE

[BIBLIOTECA](#) [COMUNIDAD](#) [CURSOS](#) [Ingresar a la comunidad](#)

### HERRAMIENTAS PARA COMUNICAR INFORMACIÓN CIENTÍFICA A DECISORES

Estas herramientas ofrecen **orientaciones para comunicar** los resultados de la **investigación científica** a los encargados de **tomar decisiones**.

Plantea identificar los recursos disponibles, reconocer a los **usuarios** de la información y su **contexto**, evaluando sus **necesidades** de información científica para así **elaborar productos de comunicación** efectivos.

#### Fichas de evaluación

- Ficha de evaluación 1
- Ficha de evaluación 2
- Ficha de evaluación 3
- Ficha de evaluación 4
- Ficha de evaluación 5

**PASO 1. ESTABLEZCA LOS RECURSOS DISPONIBLES**

**PASO 2. IDENTIFIQUE LOS USUARIOS DE LA INFORMACIÓN**

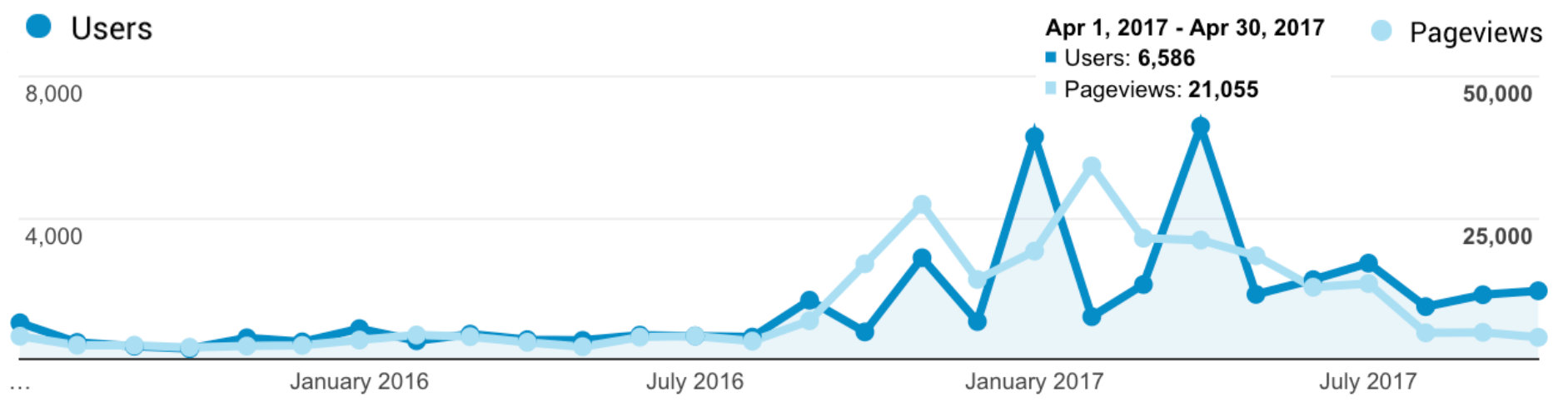
**PASO 3. RECONOZCA LAS NECESIDADES E INTERESES DE LOS USUARIOS**

**PASO 4. ELABORE PRODUCTOS COMUNICATIVOS**



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# Statistics



Pageviews

264131

Users

39521

Suscribers

4137

Members

1689

Articles and publications

700+



## INFRASTRUCTURE



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## KNOWLEDGE & RESOURCES



to empower

## PEOPLE

### Strategies and results

Easy to use tools to share information  
and resources

Specialized repository  
700+ articles and publications

264131 Pageviews  
39521 Users  
4137 Newsletter subscribers  
1689 Members  
1000+ users registered for the course  
“Communication of scientific  
information to decision makers”

### Next steps

Empower more groups and  
organizations to take  
advantage of already  
established services

Expand the library and  
include resources in other  
languages

Continue offering the  
courses and meet the  
demand for new courses



## Lessons learnt

1. Links between academia and managers were strengthened reaching agreements for working together like thesis topics aligned to managers needs, student work commissioned in the agreed guidelines, include guidelines in the university priorities, etc.
2. Water Councils in watersheds offer an ideal researchers-managers linking space, through Research Groups.
3. Linking science to decision-making Toolkit was useful:
  - Scientist skills to engage in advocacy are highly demanded: 1000 people registered to take the course.
  - Building bridges through ministries to show information concerning different watershed topics found resistance: institutions are not used to do interdisciplinary work.
  - Downscaled models were built. Although highly uncertain, managers appreciate having probable scenarios.
  - Water management monitoring is needed: the water authority needs to adequate their planning indicators to more real ones, like those proposed.
4. Linking managers and researchers is useful; research institutions in Peru have begun to orient their agendas to action.
5. The platform is a useful tool with potential to reach many people and maintain access to information for a prolonged period of time





**Thanks for your attention**

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