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Project Overview

literally means "challenge" in DESAFIO both Portuguese and Spanish, the working languages of our field research. This is because the guiding concept of our project is to contribute towards tackling what is arguably one of the major challenges facing Latin American countries in the twenty-first century: eradicating structural social inequality in the access to essential water and sanitation services (WSS).

We argue that the main challenges facing the international community in this area are not merely technical or environmental, but are rather grounded on and conditioned by economic, socio-political, cultural and policy-institutional processes.

Our main tenet is that achieving the development goals set by the international community in relation to the reduction of poverty levels and enhancing environmental sustainability, crucially depends on existing developing harnessing and new innovative socio-technical appropriate and solutions for the provision of safe WSS.

Research questions

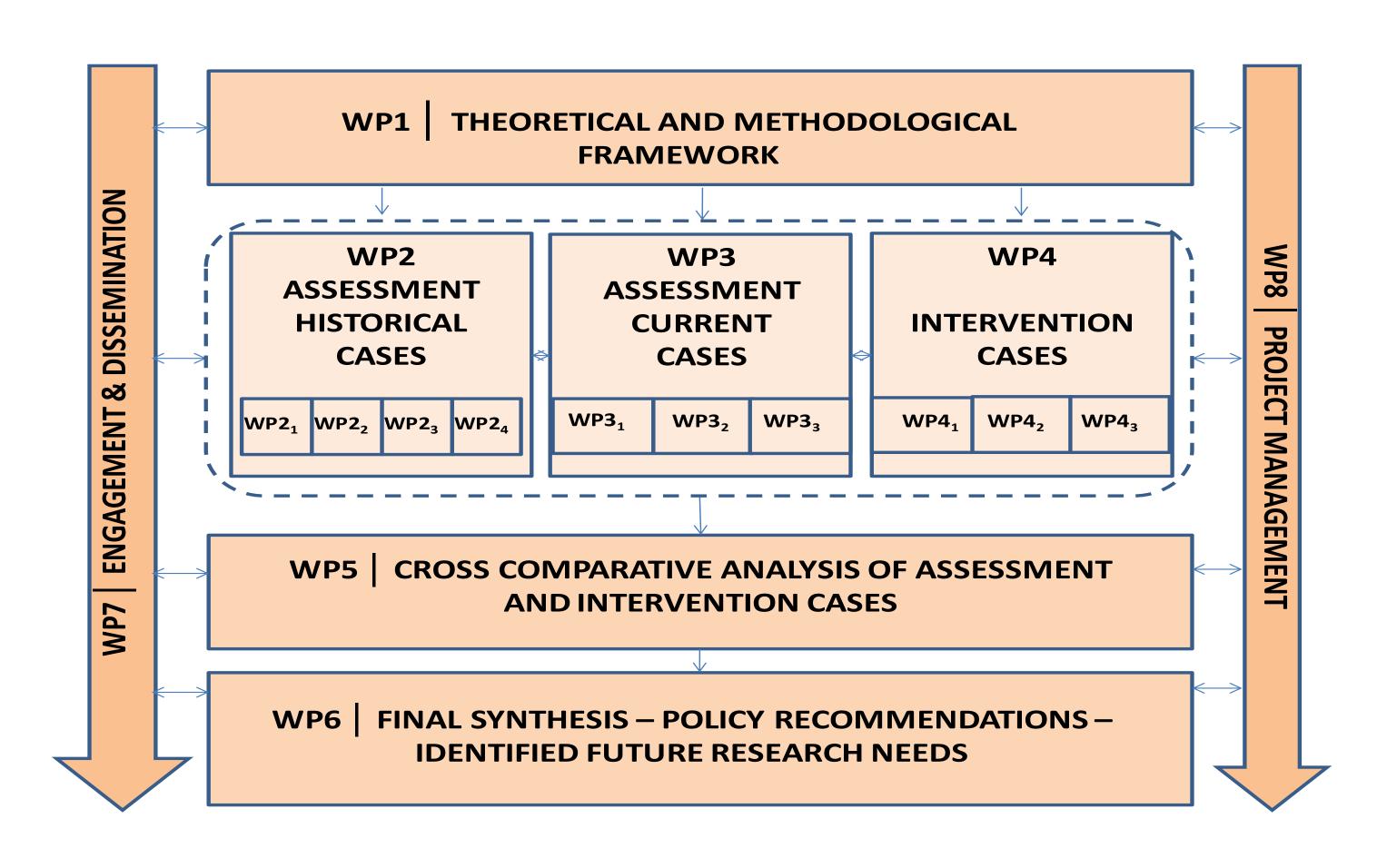
DESAFIO aims to respond to the following questions:

- **How** can we harness existing and develop new sociotechnical innovations in order to **change policies**, to develop strategies and practical interventions, and to enhance policy learning for tackling unacceptable inequalities and injustice in the access to essential WSS?
- What conditions, factors and processes facilitate the **emergence** of socio-technical innovations in this sector?
- What are the **critical requirements** to make successful socio-technical innovations sustainable and replicable?
- What are the **obstacles** to their sustainability and replication?



Project structure

DESAFIO has a duration of 30 months (February 2013) to July 2015). It is structured in 8 Work packages and has a comparative, interdisciplinary approach that brings together social and technical disciplines.

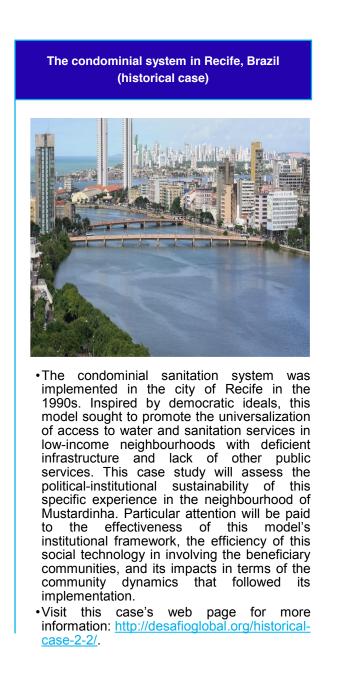


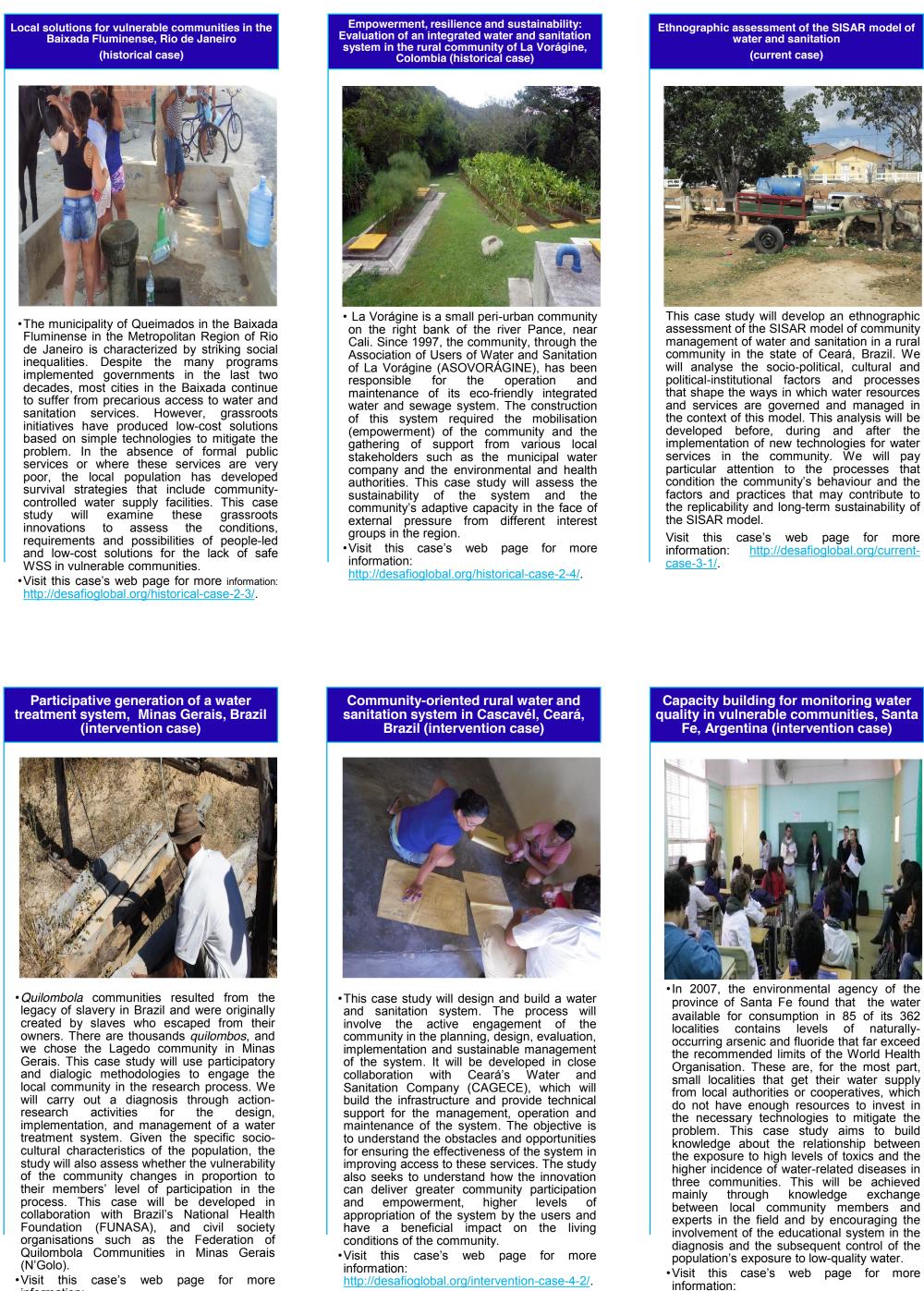
Main objectives

- Developing an inter- and transdisciplinary theoretical and methodological foundation for the study of sociotechnical innovations in six analytical dimensions: socio-political and cultural, economic-financial, health, ecological-environmental, technoinfrastructural/operational, and policy-institutional.
- Assessing strategies for sustainable socio-technical innovations. Our case studies include the 'condominial' and 'integrated sanitation' systems designed and implemented in Brazil, rural sanitation systems in Brazil and Colombia, and strategies to enhance the monitoring of water quality by school children in Argentina.
- Actively engaging civil society (e.g. community organizations, citizen movements, NGOs), the state (e.g. national, regional, and local governments), and other relevant organisations.

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We examine 10 case studies of socio-technical innovation identified in Argentina, Brazil and Colombia. The cases include "historical" experiences (over 20 years), "current" developments, and new interventions just being designed. These are some examples:









Reports of DESAFIO's preliminary research results are freely available in different forms, including our Working Papers Series and other publications, via the project's website (www.desafioglobal.org). You can also e-mail us to receive further information at

desafio@ncl.ac.uk.

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Website: www.desafioglobal.org

The case studies

Conclusion