



# RIO DOCE PANEL

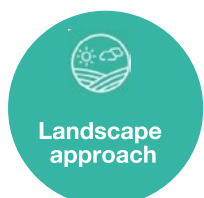
INDEPENDENT SCIENTIFIC AND  
TECHNICAL ADVISORY PANEL



foto Erin Skoczylas

## THE RIO DOCE PANEL

The Rio Doce Panel (RDP) is an Independent Scientific and Technical Advisory Panel (ISTAP) that provides recommendations for the restoration of the Rio Doce Basin, being led by the Renova Foundation. Convened and managed by the International Union for the Conservation of Nature (IUCN), the RDP is focused on measures to ensure the long-term environmental and socioeconomic health and resilience of the Rio Doce watershed and adjoining coastal area. The RDP believes that effective mitigation efforts will lead to a positive and long-term legacy for current and future generations.



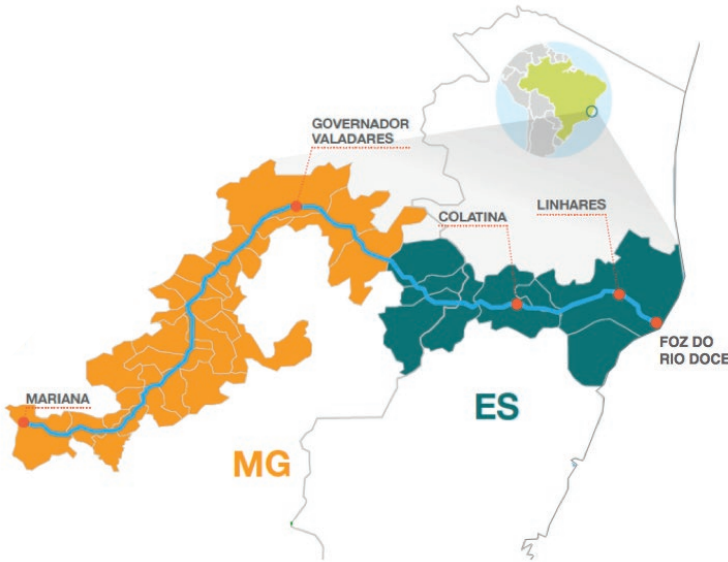
## CONTEXT

Considered one of Brazil's worst environmental disasters, the 2015 Fundão tailings dam failure at Samarco's iron ore mining site in Minas Gerais, Brazil, caused severe ecological, economic, and social damage. Sludge from the dam destroyed villages, farms, water supplies, and riparian vegetation and changed livelihoods and communities. The tailings mud advanced through upper tributaries of the Rio Doce until it reached the Atlantic Ocean, affecting terrestrial, coastal and marine biodiversity, directly impacting municipalities in Minas Gerais and Espírito Santo.

In 2016, an extra-judicial settlement agreement, the Transaction Term of Conduct Adjustment (TTAC), designed 42 programmes to mitigate the impacts of the disaster and restore the environmental and socioeconomic conditions in this complex social and natural system.

Another agreement - TAC-GOV - was signed in 2018 to assure representativeness and participation of the affected population. The system established the Interfederative Committee (CIF), which is responsible for overseeing the restora-

tion, and the Renova Foundation, a private non-profit organization, responsible for rebuilding, restoring, and repairing the disaster's impacts by implementing the determined programmes.



**39** millions m<sup>3</sup>

Volume of tailings



**19**

Number of deaths



**39**

Municipalities recognized as directly affected at the time of TTAC



**~670** km

Sludge range extension





# HOW THE PANEL WORKS

INDEPENDENCE, TRANSPARENCY, ACCOUNTABILITY AND ENGAGEMENT ARE THE PRINCIPLES OF EVERY IUCN-LED ISTAP

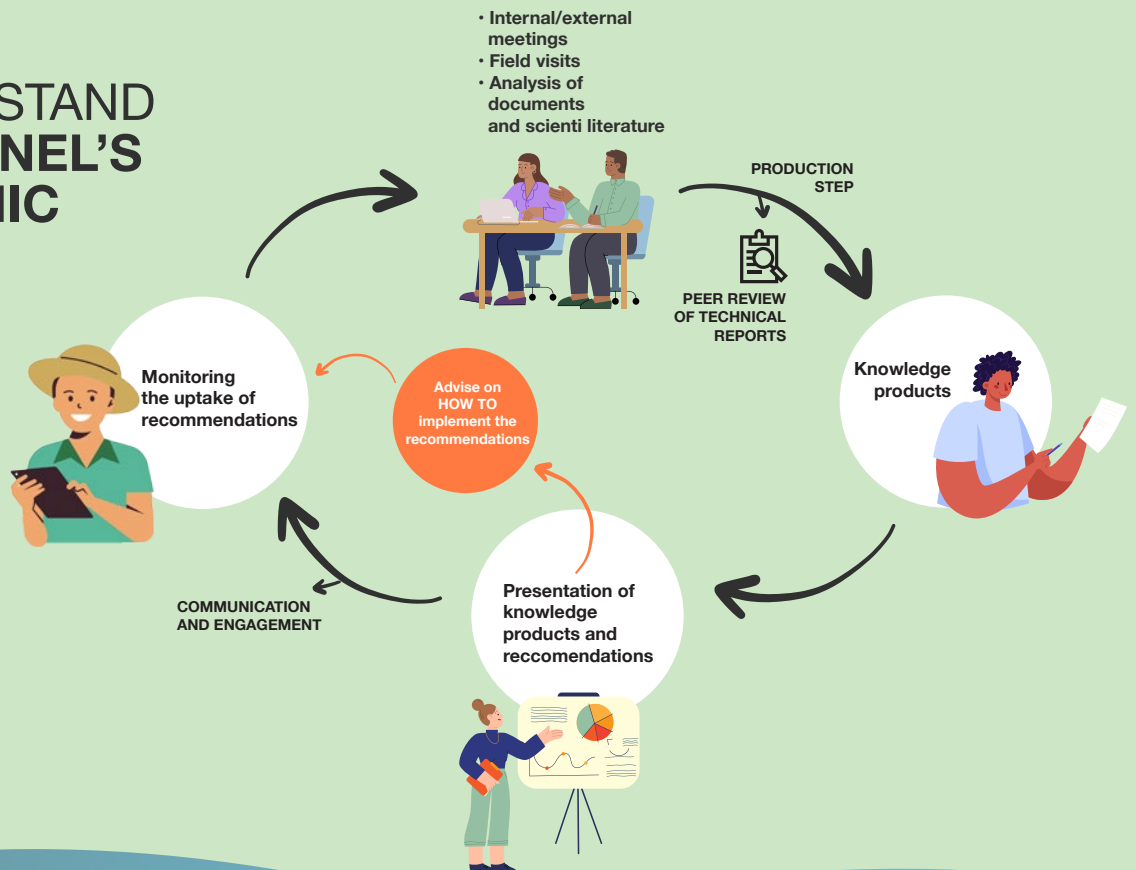


Working independently but in close cooperation with key stakeholders, the Panel is engaged in discussions with national and international experts and promotes a multi-stakeholder dialogue. Knowledge products present recommendations on specific topics based on research to address critical questions for restoring the Rio Doce watershed on a landscape scale.

**THE PANEL DOES NOT CONDUCT PRIMARY RESEARCH AND PREPARES THE REPORTS AND RECOMMENDATIONS USING SCIENCE-BASED EVIDENCE AND PUBLICLY AVAILABLE INFORMATION.**

A Monitoring, Evaluation and Learning (MEL) strategy seeks to learn from the RDP work and understand the influence and impact of the RDP recommendations on target processes and audiences and any unexpected outcomes. Through meetings and interactions with Renova and tools to track progress, **IUCN and the RDP review evidence of progress with adaptive management and learning objectives.**

## UNDERSTAND THE PANEL'S DYNAMIC



## KEY KNOWLEDGE AREAS



**ENVIRONMENTAL  
AND SOCIAL  
IMPACT  
ASSESSMENT**



**GOVERNANCE**



**KNOWLEDGE  
MANAGEMENT  
AND  
COMMUNICATION**



**ENVIRONMENTAL  
AND HUMAN  
HEALTH**



**ALTERNATIVE  
LIVELIHOODS AND  
SOCIOECONOMIC  
DEVELOPMENT**



**RISK  
ASSESSMENT  
AND ADAPTIVE  
MANAGEMENT**

## RIO DOCE PANEL MEMBERS

The RDP comprises international and national experts with diverse technical skills, academic qualifications and local knowledge, selected through a public and competitive application process.



**YOLANDA  
KAKABADSE**

Chair of the Rio Doce Panel. Former President of IUCN, former Ecuadorian Minister of Environment, lives in Quito, Ecuador.

**GOVERNANCE**



**FRANCISCO  
BARBOSA**

PhD, deputy chair of the Panel, Professor in the Federal University of Minas Gerais (UFMG), lives in Belo Horizonte, Brazil.

**FRESHWATER ECOLOGY AND WATER QUALITY**



**MARIA CECILIA  
WEY DE BRITO**

MSc. Member of EKOS Brasil Institute; Former Secretary of Biodiversity and Forests at the Ministry of the Environment of Brazil, lives in São Paulo, Brazil.

**LANDSCAPE  
MANAGEMENT AND  
BIODIVERSITY**



**CHRISTIANNE  
MAROUN**

DSc in Environment and Energy Planning, senior consultant expert in Governance and Climate Change, Professor of PUC-Rio and FGV, lives in Rio de Janeiro, Brazil.

**GOVERNANCE AND  
CLIMATE CHANGE**



**PETER H. MAY**

PhD, Professor of the Federal Rural University of Rio de Janeiro (UFRRJ), lives in New York, USA.

**NATURAL  
RESOURCES AND  
ECOLOGICAL  
ECONOMY**



**JONATHAN  
RENSHAW**

PhD in Social Anthropology, social development specialist and, former lead social safeguards specialist at the Inter-American Development Bank, lives in Folkestone, UK.

**SOCIAL  
DEVELOPMENT**



**LUIS E.  
SÁNCHEZ**

PhD, Professor of Mining Engineering at Escola Politécnica, University of São Paulo (USP); lives in São Paulo, Brazil.

**ENGINEERING  
AND IMPACT  
ASSESSMENT**

To check the complete list, including former members, please, access: <https://www.iucn.org/rio-doce-panel/panel>

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