

NICOLE

Network for Industrially Co-ordinated Sustainable Land Management in Europe



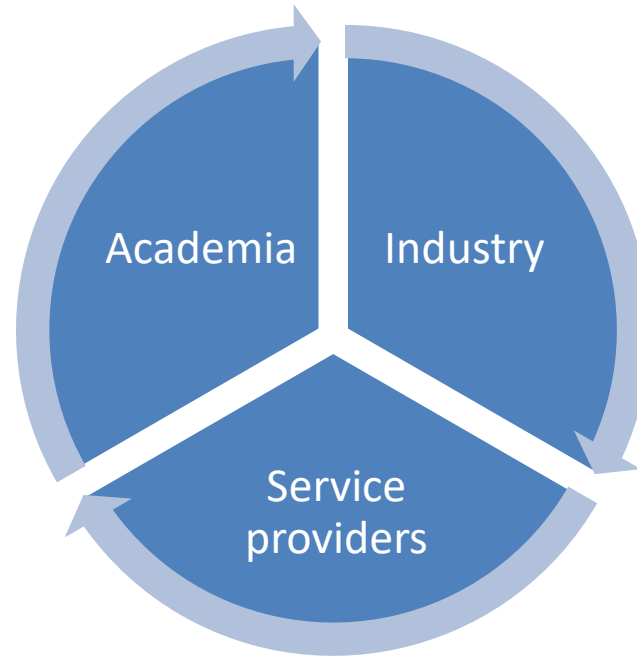
NICOLE's Evolution as a Multi-stakeholder Network in Tackling Industrial Soil Pollution

Johan De Fraye – Chair of NICOLE

Launch of the **Global Assessment of Soil Pollution Report** | 4 June 2021



Established in 1996 as
a Concerted Action
project under the 4th
Framework
Programme of the
European Community
Now member funded
only



Development and
promotion of
state-of-the-art
solutions for
contaminated land
management

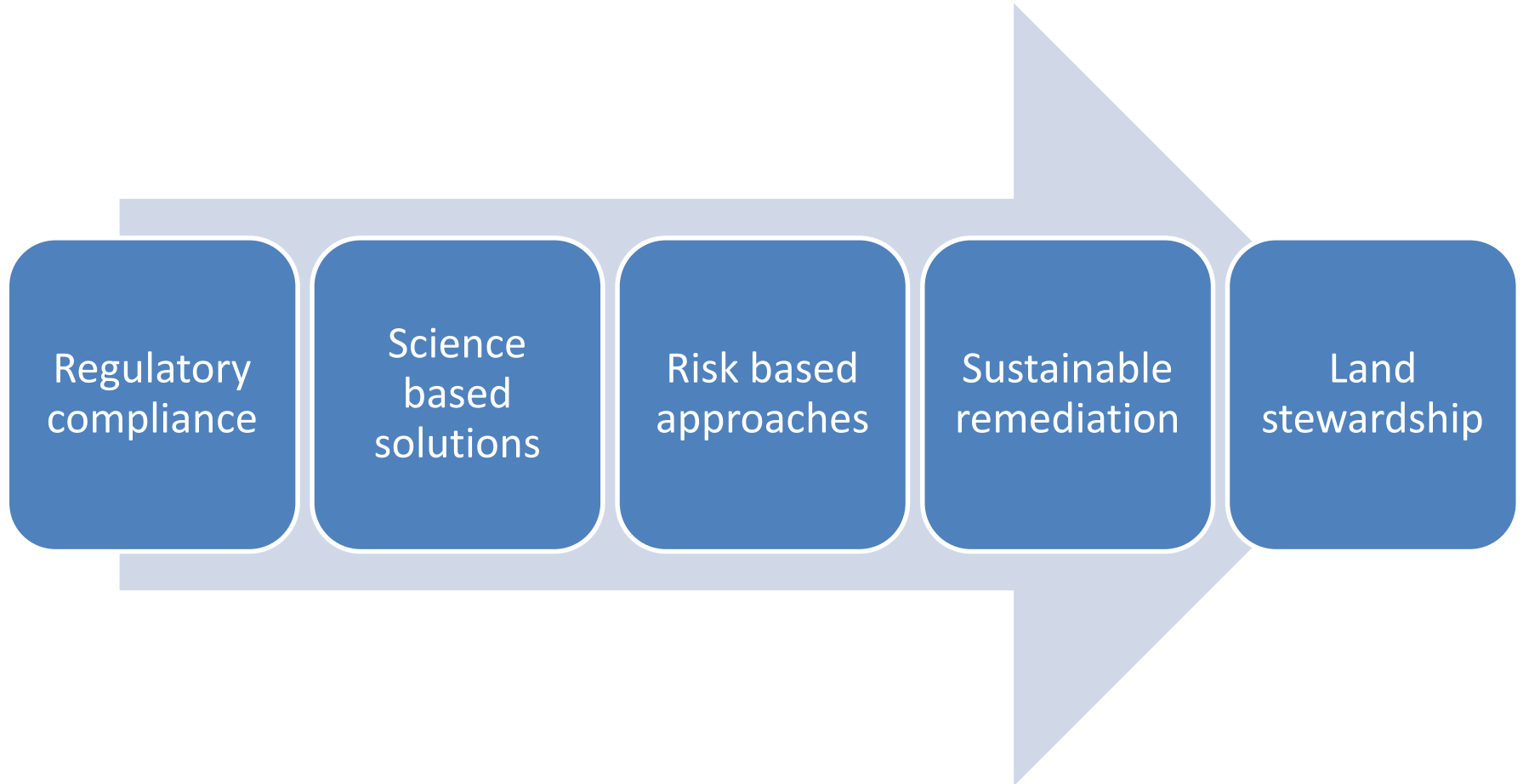


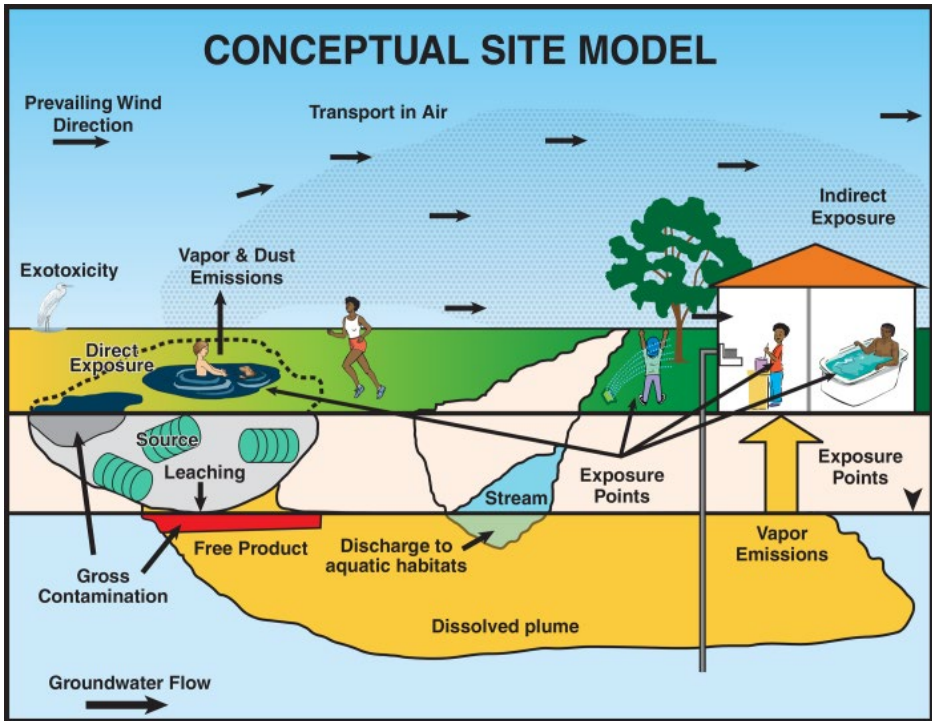
- Two workshops per year
- Industry, Service Providers and Academic sub-groups
- Working Groups: Sustainable Remediation, Mercury, Regulatory Issues, Asbestos, Emerging Pollutants, Innovation
- Innovation Award
- Publications, position papers and reports
- Collaboration with Common Forum and other networks such as NICOLE Latin-America and NICOLA(frica)
- Part of the Editorial Board for the FAO/UNEP/WHO Global Assessment Soil Pollution Report





NICOLE Development and focus





Source: www.itrcweb.org

Source – Pathway – Receptor

If one of these components is missing, there is no risk

Requires thorough investigation of

- sources
- possible pathways
- possible receptors (human, nature, water)

Remediation: aimed at taking away the source or the pathway (sometimes the receptor)

Risk-based approach = acknowledgement that total removal of soil and groundwater pollution to reach pristine conditions is often not possible





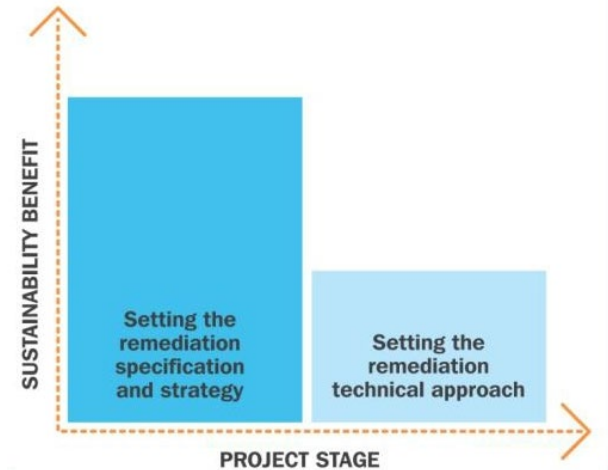
From Risk-based to Sustainable Remediation

A sustainable remediation project is one that represents the best solution when considering environmental, social and economic factors, as agreed by the stakeholders

- A comprehensive approach to optimizing the management of contaminated sites
- Relies heavily on building consensus between multiple parties

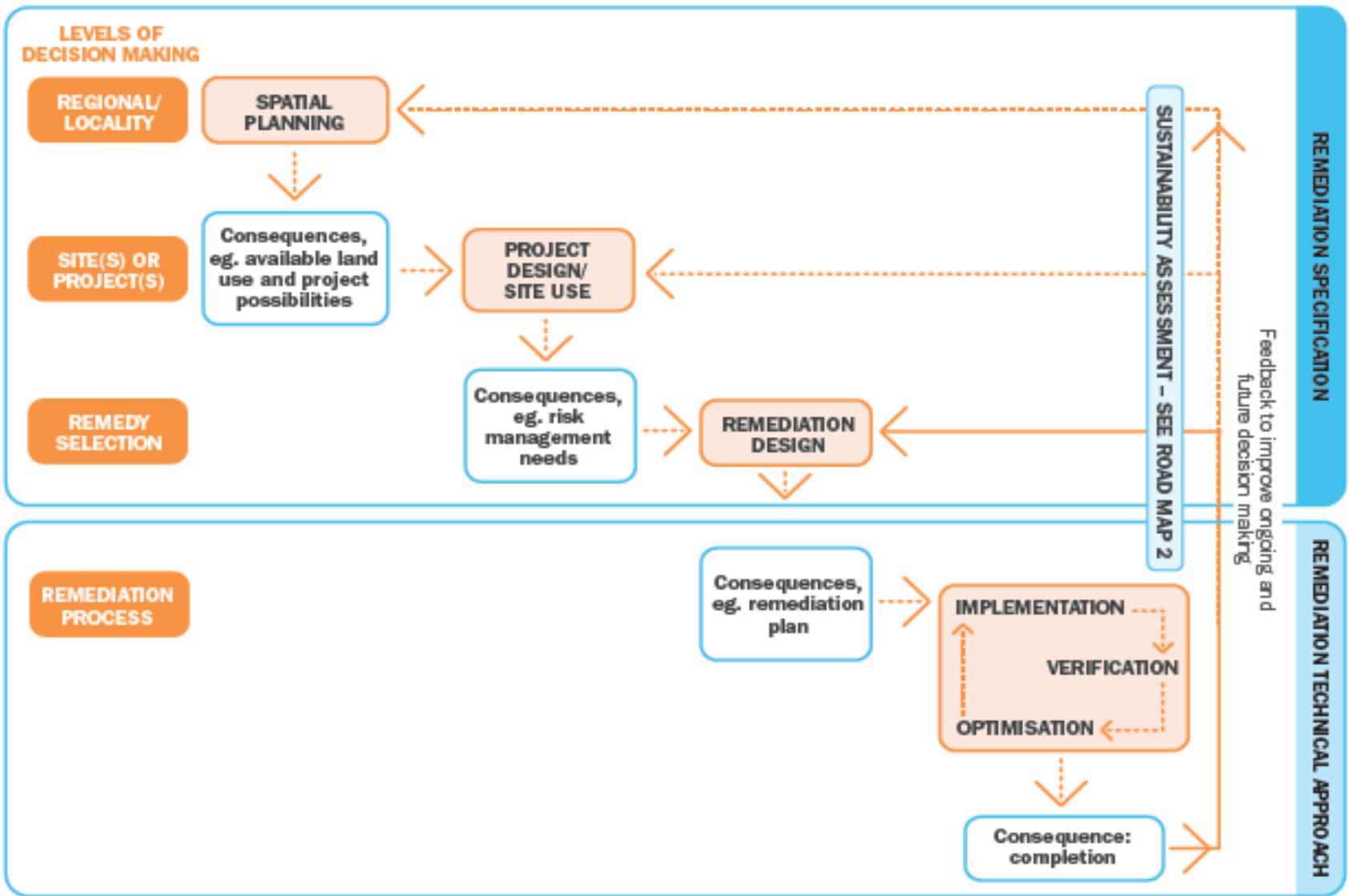
<https://nicole.org/uploadedfiles/2010-wg-sustainable-remediation-roadmap.pdf>

- The earlier in the process the more sustainable gain
- It is more than Green Remediation
- Measuring performance to build trust and consensus
- Not a technical but a consensus building approach
- Communication is the number one barrier and enabler
- Favours a bottom-up approach



Early stages of project

Project Implementation





London 2012 Olympic and Paralympic Games

“From the outset of the project, the Olympic Park has set new standards in sustainability, including the delivery of lightweight venues, the recycling or reuse of waste materials, using concrete with a high recycled content, and delivering materials by rail or water. We have achieved new standards for a project of this size and scale and have raised the bar for the industry.”

John Armitt, ODA Chairman



Soil Washing



2011



- Land Stewardship
- Liability Transfer in Europe Publication
- Foundation: harnessing the collective skills and experience of members
- Growing interaction with NICOLE spin-offs in Latin-America and Africa
- Broadening the network to other stakeholders?





THANK YOU

For further information about NICOLE
please contact nan.su@nicole.org

Disclaimer

This presentation does not necessarily reflect the opinion of all members of
NICOLE.