Land Stewardship,
Investing in the natural, social and economic
capital of Industrial land

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Exploring Land Stewardship (LS)

- NICOLE: Sustainable Land management -> LS
  - Remediation
  - Redevelopment of Brownfields
  - (Temporary) use for nature or society

- Common Forum WG “Soil as a resource”
  - Circular and sustainable use
  - Land mostly privately owned; Public Private cooperation

A joint effort in a booklet that shows the benefits of the concept Land Stewardship

Source: INSPIRATION-H2020
Content

• Definitions
• Stakeholder involvement
• Decision-Making
• Valuation:
  • Natural Capital
  • Social Capital
  • Value and dilemmas of industry
• Way forward

“Land Stewardship is of all times: As long as there have been people, they knew they had to care for their land in order to survive”
Land Stewardship

“In its broadest sense, Land Stewardship is the recognition of our collective responsibility to retain the quality and abundance of our land, air, water and biodiversity, and to manage this natural capital in a way that conserves all of its values.....”

Canadian Centre for Land Stewardship
www.landstewardship.org

Lady of the North
Courtesy of The Land Trust, UK
www.northumberlandia.com
Soil, Land or Soil and Land

- Soil; quality and ecosystem services
- Land; also a single site and its value for society, for natural and industrial production
- Soil or Land, circular goods
- Joint effort focuses on assessing the broad value of (industrial) land
- LS implies decision-making in all lifecycle stages of a site
- Visualizing value is an important support for decision-making

“Land stewardship is key in the transition towards a Circular Economy”
Stakeholder involvement

- Beyond the Fences
- Identifying key stakeholders and roles
- Opportunities and values for society
- Dialogue, collaboration and proactive stakeholder engagement
- Commitment for choices facing societal challenges
- Awareness and common sense
Decision Making

- Options appraisal Sustainable Remediation
- Understand physical and time boundaries
- Checklist to understand options and opportunities
- Stepwise approach (SR approach)
  - Engage stakeholders
  - Agree options and indicators
  - LS: agree on valuation tools
  - Evaluating and recordkeeping
  - Communication
Natural capital

• Elements of nature that produce value:
  • Ecosystem
  • Species
  • Freshwater
  • Minerals
  • Clean air and water
  • Capacity to produce goods and services

• Interdependency business and natural capital
• Demonstrating Sustainability performance
• Valuation of all elements of natural capital
• Supports long-term protection and sustainable use

Source: Natural Capital Coalition
Social capital

- Resources and relationships provided by people and society
- Value added by interactions between individuals, communities and organisations
- SC is part of an organisation’s ability to create value
- SC accounting, a variety of methods to measure impacts and dependencies
- SC accounting demonstrates the value of a company for the community

Case kindly provided by ArcelorMittal (taken from WBCSD Social Capital Protocol)
Value and dilemmas of industrial sites

- Industry responds to societal need for goods
- Brings welfare and employment to the community
- Industrial activity includes working under permits and dealing with impacted environment
- A balance between delivering value versus environmental protection and social impacts
- Towards working with nature for remediation, temporary use for sports, nature etc.
- Redevelopment and value creation with derelict land and minimize greenfield use
Way forward

- Release booklet during NICOLE workshop
  Frankfurt June 21st
- Booklet is first reconnaissance and LS at early stage of development
- Acknowledgement of the value of the concept
- There are points of discussion, e.g. legal matters
- There are knowledge gaps to be closed
- Strong willingness to explore the concept and maybe come to a joint position
Thank you for your attention

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