

SURE

by

RAMBOLL

WHAT IS SURE BY RAMBOLL?

- ✓ SURE by Ramboll is an on-line tool for sustainable remediation assessment, communication and reporting
 - ✓ Designed for landowners, consultants, contractors and regulators working with contaminated land
 - ✓ Reduces the complexity of reviewing and communicating environmental, social and economic impacts in projects
 - ✓ Records the overall remedial decision-making process and supports communication of key decision-making factors
 - ✓ Advances efficient, acceptable and sustainable solutions
- ✓ ISO 18504:2017, ASTM E2893-16 and SURF compliant
- ✓ Supports identification of related UN SDG's
- ✓ Available on-line via <https://ramboll.com/sure> for everyone and free of charge



HOW DOES THE ON-LINE TOOL WORK?

Assess



Engage



Report

CREATE A SUSTAINABILITY ASSESSMENT

Create a project specific sustainability assessment by selecting relevant indicators from pre-populated alternatives. Evaluate the impacts to rank your options and generate your assessment.

REVIEW RESULTS WITH STAKEHOLDERS

After completing your assessment, share the results with relevant shareholders to request their review and comments. Include and address comments to create a more resilient assessment.

CHOOSE THE SUSTAINABLE OPTION

Create a custom-made report of the assessment process and results. Highlight potential areas for improvement and identify contribution to fulfilling UN SDG's.

WHY IS SURE BY RAMBOLL IMPORTANT TODAY

- ✓ Whilst interest in Sustainable Remediation began over ten years ago, application of sustainable thinking in remediation option selection is in practice still very patchy across Europe, even within individual legislatures, and sustainability is often not well understood either by problem holders or regulators.
- ✓ There is now a greater urgency, arising from the climate emergency, the reduction in biodiversity and socioeconomic challenges originating from years of austerity (worsened by Covid) for sustainability to be embedded in decision making principles, when selecting the best option for contaminated land remediation.
- ✓ Whilst technical guidance on sustainability is plentiful, the process of selecting the most sustainable approach has to be simple, understandable and transparent to gain public acceptability.
- ✓ Ramboll has therefore developed SURE, a digital on-line tool, which draws on over 70 sustainability indicators and their contribution to 17 United Nations Sustainable Development Goals (UN SDGs) to enable the identification of the more sustainable and resilient remediation approach.

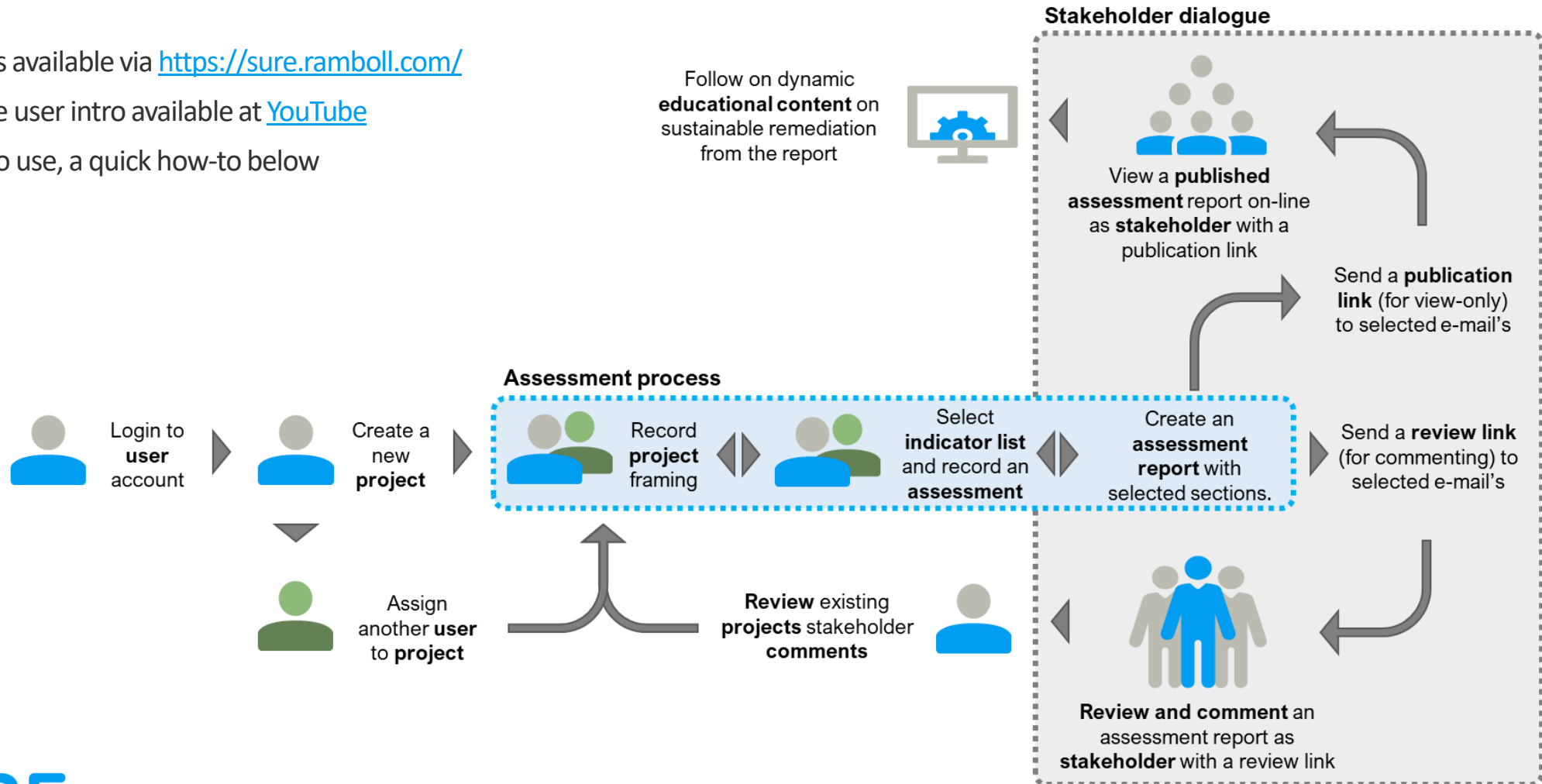


INNOVATIVE FEATURES OF SURE

- ✓ Easy to access, simple to use and understandable tool for sustainable remediation, also for the layperson, thus facilitates a collaborative approach to projects, inclusive of stakeholder input.
- ✓ Fully digitised and cloud-based, which enables a rapid assessment and allows for client and stakeholder engagement, supporting digital collaboration.
- ✓ Captures the key information for framing the assessment according to ISO 18504:2017, together with SuRF and NICOLE guidance.
- ✓ Includes over 70 indicators across domains of Environment, Society and Economy to be scored, as well as having automatic comparison of option performance with respect to UN SDGs.
- ✓ Provides customizable assessments, since it allows users to modify assessment criteria to better suit each case.
- ✓ Provides fully transparent record of decision-making process including stakeholder review comments.
- ✓ Comprises a wide range of automated reporting options with clearly presented graphical presentation of results enabling an easy to interpret summary which accompanies a detailed analysis, as required.
- ✓ Educational guidance is provided for a broader understanding of sustainability principles.
- ✓ Will be made available free of charge and available for public use.
- ✓ Hands-on user training will be provided via open access webinars and training sessions during industry events.

KEY FEATURES (1/3)

- ✓ Access available via <https://sure.ramboll.com/>
- ✓ Simple user intro available at [YouTube](#)
- ✓ Easy to use, a quick how-to below



KEY FEATURES (2/3)

- ✓ Over 70 indicators are available for assessing the selected options, grouped into 5 categories within each of the domains of Environment, Society and Economy. Those of relevance to the project can be selected and weighted according to their relative importance on a 1-5 scale.
- ✓ The options are then scored against each indicator (1-5) and the rationale for the scoring is recorded. SURE provides technical guidance on the issues encompassed by each indicator and how these should be used in the assessment.

Environment <input type="text" value="3"/> (pre-set weight)			
1 Emissions to air	<input checked="" type="checkbox"/> Greenhouse gases	<input type="checkbox"/> Acid rain	<input type="checkbox"/> Ground Air Quality
	<input type="checkbox"/> Ozone depleting substances		
2 Soil and Ground Conditions	<input type="checkbox"/> Soil functionality	<input type="checkbox"/> Water properties	<input type="checkbox"/> Soil erosion
	<input type="checkbox"/> Soil structure	<input type="checkbox"/> Subsurface structures	<input type="checkbox"/> Geotechnical properties
	<input type="checkbox"/> Sites of special geological interest		
3 Groundwater and Surface Water	<input type="checkbox"/> Water uses	<input checked="" type="checkbox"/> Legally binding objectives	<input type="checkbox"/> Biological and chemical function
	<input type="checkbox"/> Mobilisation of substances	<input type="checkbox"/> Coastal waters	<input type="checkbox"/> Water abstraction
	<input type="checkbox"/> Water movement	<input type="checkbox"/> Water management synergies	<input type="checkbox"/> Coastal management
4 Ecology	<input type="checkbox"/> Flora, fauna and food chains		
	<input type="checkbox"/> Equipment effects		
5 Natural Resources and Waste	<input type="checkbox"/> Impacts/benefits for land		
	<input type="checkbox"/> Water use and disposal		
Economy <input type="text" value="3"/> (pre-set weight)			
1 Direct Economic Costs and Benefits	<input checked="" type="checkbox"/> Direct costs/benefits	<input type="checkbox"/> Other costs	<input type="checkbox"/> Uplift in site value
	<input type="checkbox"/> Liability discharge / ease of divestment		
2 Indirect Economic Costs and Benefits	<input type="checkbox"/> Allocation of finances	<input checked="" type="checkbox"/> Property values	<input type="checkbox"/> Risk of damage
	<input type="checkbox"/> Corporate reputation	<input type="checkbox"/> Local economy	<input type="checkbox"/> Tax implications
3 Employment and Employment Capital	<input type="checkbox"/> Job creation	<input type="checkbox"/> Employment levels	<input type="checkbox"/> Skill levels
	<input type="checkbox"/> Opportunities for education and training		
4 Induced Economic Costs and Benefits	<input type="checkbox"/> Inward investment	<input type="checkbox"/> Benefits to technology provider	<input type="checkbox"/> Innovation and new skills
5 Project Lifespan and Flexibility	<input type="checkbox"/> Duration/timing of benefit	<input type="checkbox"/> Chances of success	<input checked="" type="checkbox"/> Flexibility to change in circumstances
	<input type="checkbox"/> Flexibility to change in regulation	<input type="checkbox"/> Resilience to climate change	<input type="checkbox"/> Economic resilience
	<input type="checkbox"/> Ongoing institutional controls		
Society <input type="text" value="3"/> (pre-set weight)			
1 Human Health and Safety	<input type="checkbox"/> Long term risk management		
	<input type="checkbox"/> Human health impacts		
2 Ethics and Equality	<input type="checkbox"/> Upholding 'polluter pays principle'		
	<input type="checkbox"/> Business ethics		
3 Neighbourhood and Locality	<input checked="" type="checkbox"/> Nuisance impacts	<input type="checkbox"/> Wider impacts	<input type="checkbox"/> Built environment
	<input type="checkbox"/> Facilities/services improvement		
4 Communities and Community Involvement	<input type="checkbox"/> Community functions and services	<input type="checkbox"/> Quality of communications	<input type="checkbox"/> Local culture and vitality
	<input type="checkbox"/> Local policy compliance & good practice		
5 Uncertainty and Evidence	<input type="checkbox"/> Robustness & rigour	<input checked="" type="checkbox"/> Degree of uncertainty	<input type="checkbox"/> Validation/verification requirements
	<input type="checkbox"/> Remedial criteria robustness		

KEY FEATURES (3/3)

- ✓ For each option SURE calculates the total normalised weighted scores (Fig. 1) for each category of indicator and each domain, together with a final score (applying a linear-additive multi-criteria analysis method to assess the total sustainability score). Based on linkages between the selected indicators and the United Nations Sustainable Development Goals (UN SDGs), SURE also evaluates the relative contribution of each option to each of the 17 SDGs (Fig. 2).
- ✓ The completed assessment can be sent electronically for stakeholders to review. Review comments are recorded, and the assessor can then update the assessment accordingly.
- ✓ Multiple reporting options are available including concise graphical output using histograms (Fig. 1) and pie charts.

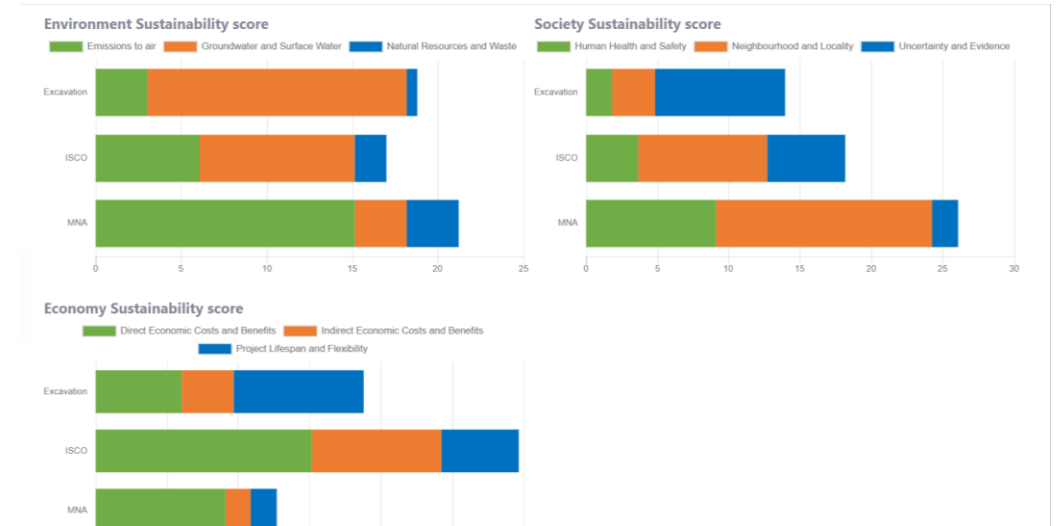


Fig. 1

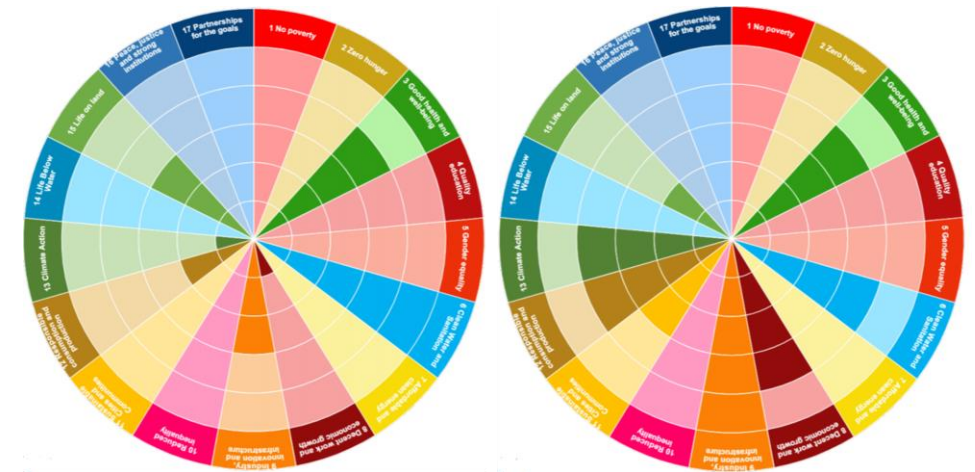


Fig. 2

Bright ideas. Sustainable change.

