**SEE**balance®

Assessment of three sustainability dimensions

SEEbalance® was developed as a quantitative evaluation method of SocioEcoEfficiency by BASF in 2005.

SEEbalance® is BASF's comprehensive approach to assess the social, environmental and economic aspects of products or processes covering the entire life cycle. Depending on the question, the four modules[1] of the SEEbalance® can be applied individually or in combination.
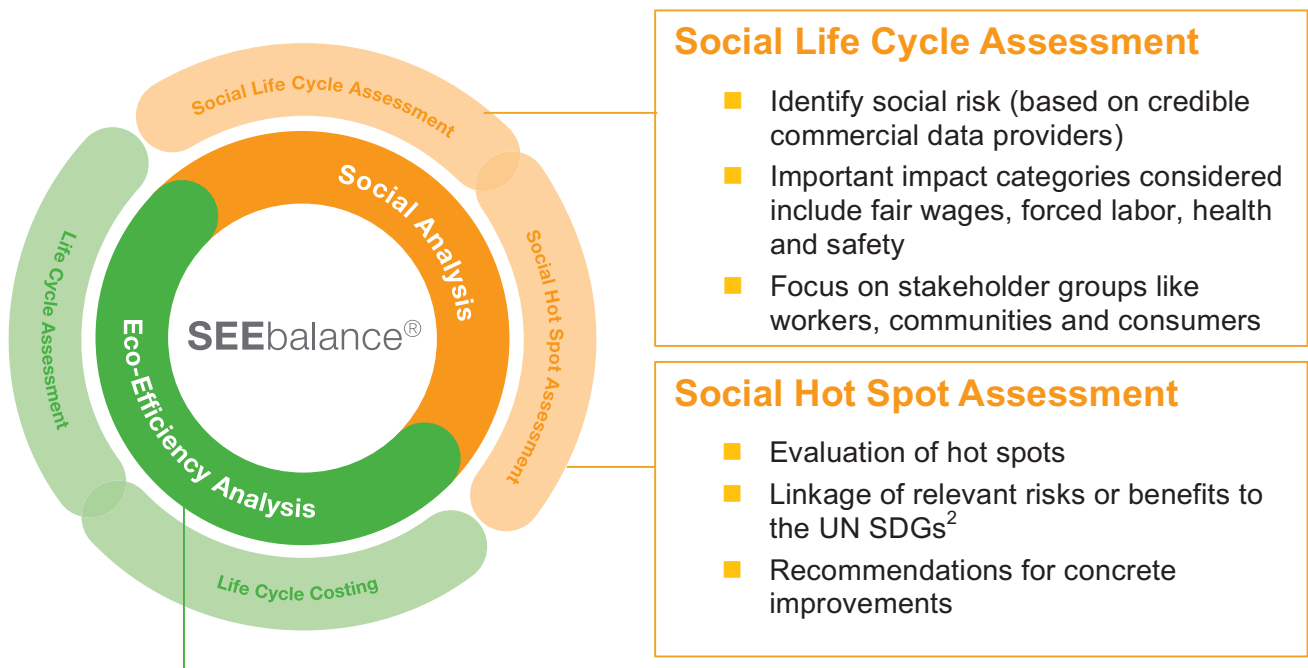
Social Life Cycle Assessment

- Identify social risk (based on credible commercial data providers)
- Important impact categories considered include fair wages, forced labor, health and safety
- Focus on stakeholder groups like workers, communities and consumers

Social Hot Spot Assessment

- Evaluation of hot spots
- Linkage of relevant risks or benefits to the UN SDGs[2]
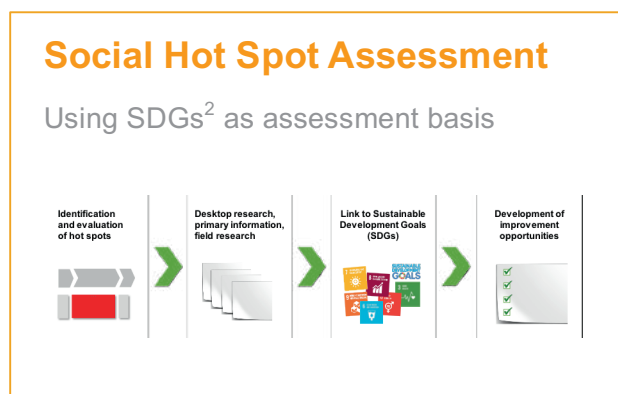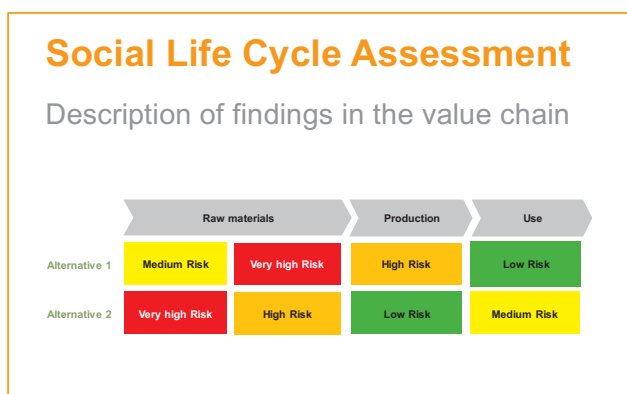- Recommendations for concrete improvements

Eco-Efficiency Analysis

- Assess sustainability performance of different products and processes following ISO 14045
- Combine environmental impacts according to ISO 14040/44 and costs in a life cycle approach
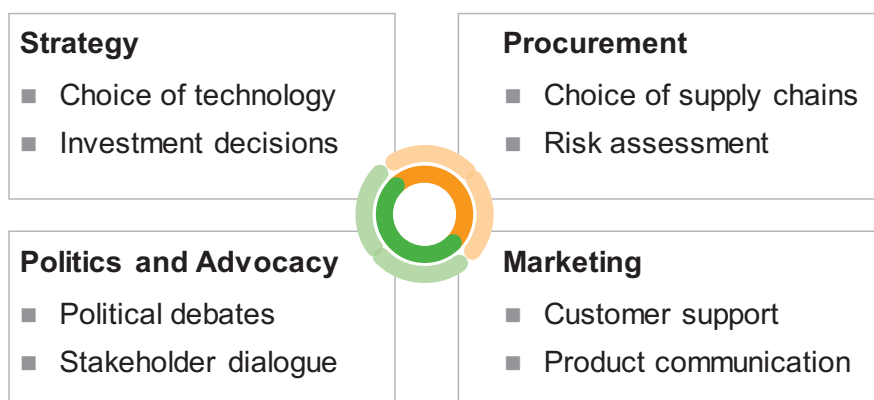- Reduce complex information to decision-oriented charts and graphs

[1] Social Life Cycle Assessment, Social Hot Spot Assessment, Life Cycle Costing, Life Cycle Assessment
[2] SDGs: UN Sustainable Development Goals

BASF
We create chemistry

In 2017, SEEbalance® was updated for an improved assessment of social aspects. The new Social Analysis uses assessment approaches in line with the latest developments for social life cycle assessment[3].

Social Life Cycle Assessment

Description of findings in the value chain

	Raw materials		Production	Use
Alternative 1	Medium Risk	Very high Risk	High Risk	Low Risk
Alternative 2	Very high Risk	High Risk	Low Risk	Medium Risk

Social Hot Spot Assessment

Using SDGs[2] as assessment basis

Identification and evaluation of hot spots → Desktop research, primary information, field research → Link to Sustainable Development Goals (SDGs) → Development of improvement opportunities

SEEbalance® application fields

Strategy
- Choice of technology
- Investment decisions

Procurement
- Choice of supply chains
- Risk assessment

Politics and Advocacy
- Political debates
- Stakeholder dialogue

Marketing
- Customer support
- Product communication

SEEbalance® supports decision makers in identifying the sustainability benefits and trade-offs along the value chain of products or processes.

For further information, please do not hesitate to contact us at seebalance@basf.com or visit our homepage www.basf.com/sustainability.

[3] *The Roundtable for Product Social Metrics, WBCSD Social Life Cycle Metrics for Chemical Products and UNEP/SETAC*