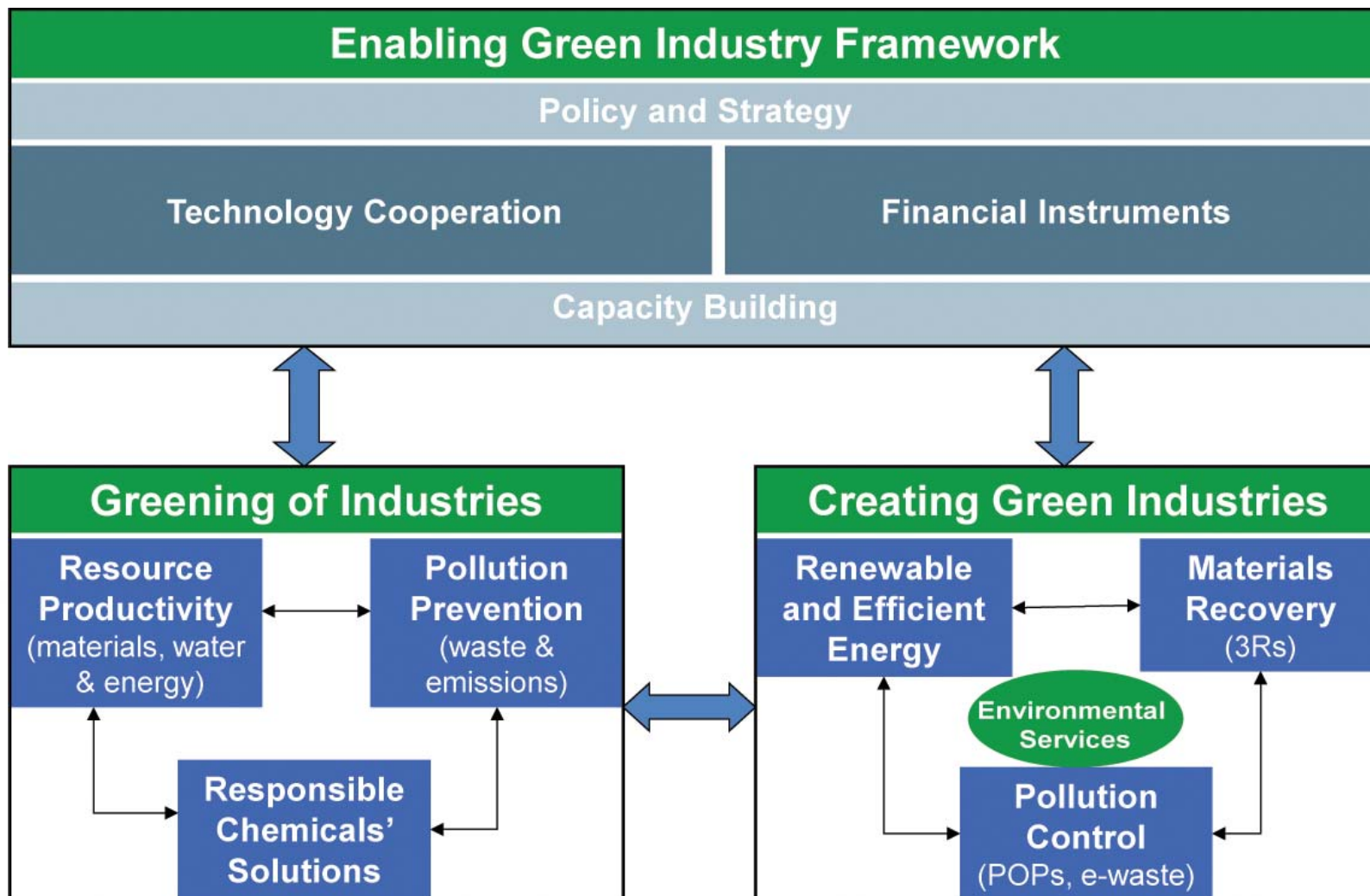




Green Industry Initiative



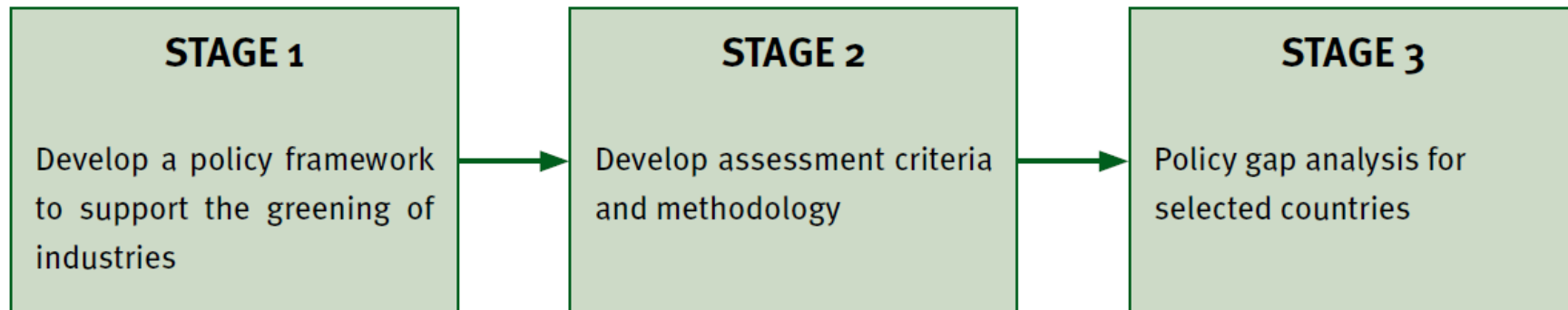


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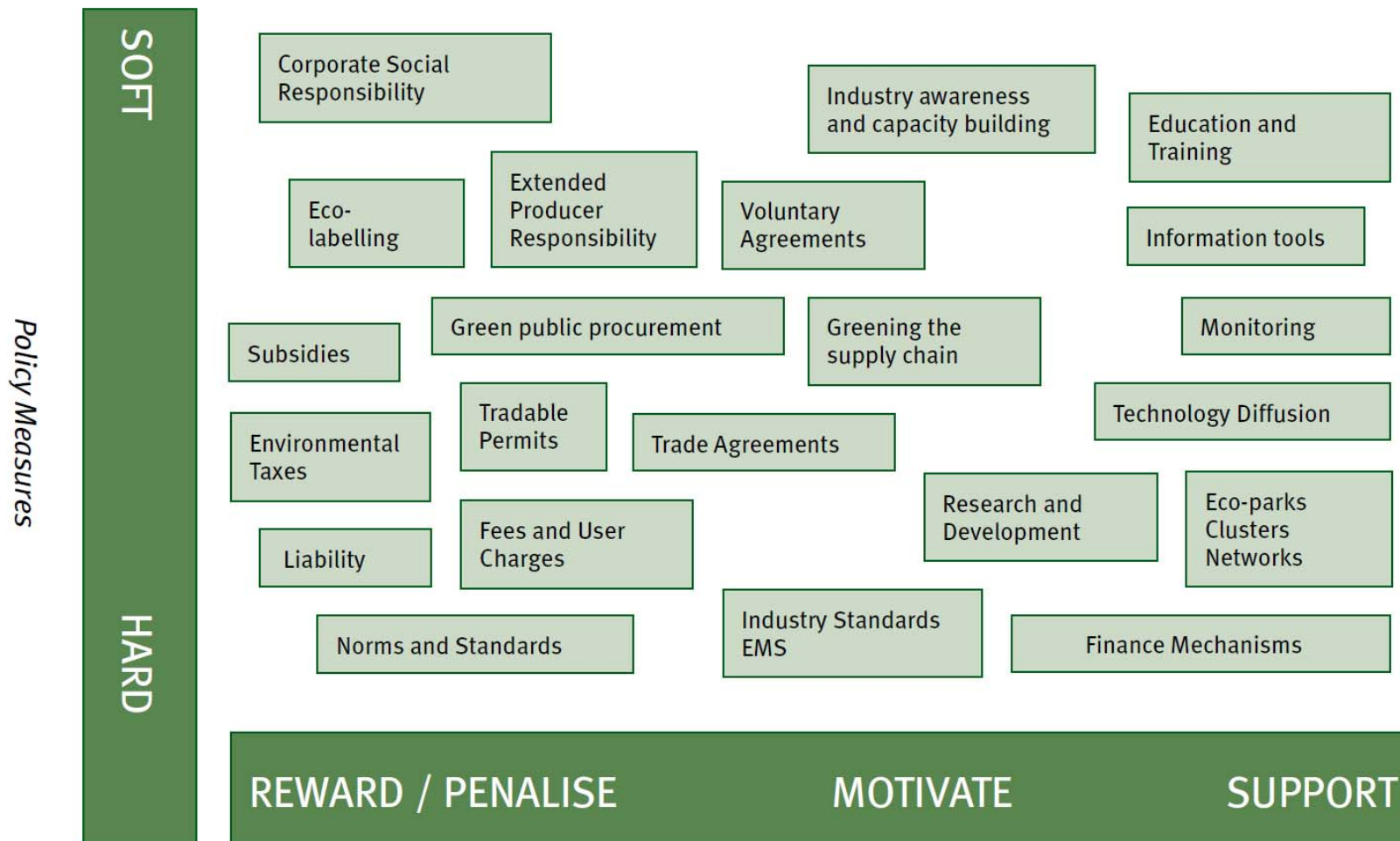
Green Industry

Three-Stage Policy Programme





Policy Matrix for the Greening of Industry





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Green Industry

AN INTEGRATED FRAMEWORK TO SUPPORT THE GREENING OF INDUSTRIES

Policy options

- National Sustainable Development Strategies.
- National Development Strategies.
- Poverty Reduction Strategy.
- Sustainable Consumption and Production Strategies.
- Regulatory Frameworks.
- Integration into sector strategies (e.g. education, health & safety, science).
- Inter-agency forums.
- Ministerial committees.

Practice Measures

- Commitment to the greening of industries from top levels of government.
- Clear processes for integrating social, environmental and economic goals.
- Policy integration across relevant government sectors.
- Policy integration within different tiers of government.
- Policy development which is innovative and strategic.
- The development of clear, measurable and enforceable policies.



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CREATING AN ENABLING ENVIRONMENT

Policy options

- Providing access to finance through loans, grants, seed funds etc.
- Removal of harmful subsidies.
- Demand policies (e.g. public procurement)
- International cooperations and trade and investment policies.
- Promoting firm competitiveness and market awareness.
- Provision of eco-efficient infrastructures such as wastewater, water, energy, recycling etc.
- Supporting local action by empowering local authorities and community-based organisations.
- Enhancing the skill base of society through education curricula and training programmes.

Practice Measures

- Strengthening the capacity of the financial sector
- Mobilising finances through public-private partnerships.
- Subsidy reform processes, supported by an enabling environment, clear exit strategy, clear objectives, and policy coherence.
- Procurement processes supported by leadership and commitment from senior managers.
- Integration of environmental issues with trade and investment policies.
- Provision of high quality support services, and market information.
- Collaborations, resourcing, capacity building, and institutional support.
- Targeting all levels of education: primary and secondary, technical and vocational, higher education, and lifelong/on the job.



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INDUSTRY-LED INITIATIVES

Policy options

- Supporting facilities which raise awareness and build capacity (e.g. Cleaner Production Centres)
- Promoting Environmental Management Systems.
- Industry-based standards.
- Eco-labels and certification.
- Life cycle analysis.
- Greening the supply chain.
- Extended Producer Responsibility.
- Promoting Corporate Environmental Responsibility.

Practice Measures

- Enhancing firm capability through training facilities and demonstration programmes.
- Leveraging the expertise of industry clubs and associations as a means of promoting policies for resource-efficient practices.
- Government-business partnerships which seek to foster improved environmental management.
- Identifying pollution and waste reduction initiatives throughout a product's life cycle.
- Designing incentives that promote pro-active behaviours, rather than opportunities to avoid compliance issues.



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HARNESSING ENVIRONMENTAL TECHNOLOGIES

Policy options

- Developing technical capacity
- Building the technology base through strategic R&D programmes.
- Financing environmental technologies through tax breaks, grants, seed & venture capital etc
- Accelerating technology diffusion
- Promoting effective knowledge transfer through networks, collaboration and infrastructures
- An integrated and strategic science system supported by tools such as environmental scanning.

Practice Measures

- Education, outreach, links to research labs.
- Industry-led research partnerships, co-funding programmes, technology transfer initiatives.
- Funding and incentive instruments which are carefully designed to avoid windfall gains.
- Effective incentives, targeted sectors, locally oriented programmes, and integrated services.
- Knowledge transfer facilitated through the formation of science partnerships, joint ventures, clusters, incubators, science parks, global networks etc.



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INSTRUMENT MIXES TO PROMOTE THE GREENING OF INDUSTRIES

Policy options

- Environmental taxes and charges.
- Pricing instruments
- Tradable permits.
- Environmentally-motivated subsidies.
- Liability and compensation schemes.
- Effective legal and regulatory frameworks.
- Norms, standards, substance, product, or technology bans.
- Voluntary agreements.
- Information-based instruments.
- Environmental monitoring and reporting.
- Robust compliance and enforcement regimes.

Practice Measures

- Policy mixes, which include market-based, regulatory, voluntary, and information-based instruments.
- Instrument mixes which are flexible, broad-based, and not overlapping in their application.
- A system of monitoring, revenue collection and enforcement to support the implementation of market-based instruments.
- An integrated, overarching legal framework to support regulatory policy measures.
- Flexible and well-designed policy measures so not to stifle technological innovations.
- Environmental indicators to support monitoring and enforcement regime
- Compliance regimes which combine promotion, monitoring, and enforcement tools.