

Batumi Initiative on Green Economy (BIG-E)
Actions by Germany

Country: Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety/ Federal Environment Agency (UBA)

Title:

Establishment of an International Sustainable Chemistry Collaborative Centre (ISC3)

Focus area 2, 4, 5, 6, 7, 8 and 9: Promote the internalization of externalities and the sustainable use of natural capital; Shift consumer behaviours towards sustainable consumption patterns; Develop clean physical capital for sustainable production pattern; Promote green and fair trade; Increase green and decent jobs, while developing the necessary human capital; Improve access to services, healthy living and well-being; Promote public participation and education for sustainable development

Description of the action: The ISC₃ wants to support the global breakthrough of Sustainable Chemistry. The project for the establishment of ISC₃ was launched in March, 2015, by the German Environment Agency. In the first instance, the ISC₃ will work to ensure that:

- Existing expertise (science and politics) is networked and bundled
- The further development of Sustainable Chemistry from its basic principles to methods and applications to business models is fostered at international level
- Fundamental Sustainable Chemistry principles and strategies are further pushed and penetrate the economies in industrialized, emerging and developing countries

In this way, an effective contribution will be made in the long term to establish Sustainable Chemistry worldwide as a key component of sustainable development. Chemical enterprises with the right innovations, products and services will be in a position to assert themselves in global markets.

Action's time frame/milestones, for the action, as appropriate: The ISC₃ is planned to open early 2017.

Type of action: Information, education-based, capacity-building and voluntary instrument

Economic sectors: Economy-wide

Expected co-benefits and impact of the outcome:

- Development of “quality criteria” for processes, materials and resource demand in order to assess different Sustainable Chemistry approaches
- Review of main interfaces to resource and health protection as well as product and plant safety
- Analysis and dissemination of business models which promise economic success on the basis of Sustainable Chemistry
- Support for emerging and developing countries in the safe handling of chemicals and disposal of waste from hazardous substances produced or used earlier
- Guidance for emerging and developing countries in the implementation of international regulations in the field of Sustainable Chemistry

- Exchange of good practice (e.g. advanced synthesis strategies, sustainable material flow management, product design) at global level
- Advancement of good professional standards in the manufacture, processing and use of chemicals as well as their utilization and disposal

SDGs target(s) that the action may contribute to implement: Action contributes to SDG targets 3.9, 3d, 4.4, 4.7, 5.1, (5.5), 6.1, 6.3, 6b, 11b, 12.1, 12.2, 12.4, 12.5, 12.6, 13, 14.1

Objectively verifiable indicators, as appropriate: -----

Partners:

(a) The “Bundling of Expertise in the area of Sustainable Chemistry” project was launched by the German Federal Ministry for the Environment and the German Federal Environment Agency (Environment Research Plan, Project ID 3715 65 499 0). A consortium, comprising N³ Nachhaltigkeitsberatung Dr. Friege & Partner, DECHEMA Gesellschaft für Chemische Technik und Biotechnologie e.V. and BZL Kommunikation und Projektsteuerung GmbH, has been commissioned to implement the project. The project commenced on 15.3.2015 and should be completed in the spring of 2017.

(b) Stakeholder worldwide contribute to the project to via an advisory council within the project to establish the ISC₃. The advisory council will initiate a global network (ISC-net) of experts and invite them to contribute.

Contact point:

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