



## Draft Generic Proposal To improve S&T Statistics in EECA

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## Overall Objective

**To enable statistical authorities in EECA to assess the S&T potential of their countries by using standardised international methodologies and to enable them to carry out unbiased international S&T comparisons to assess their development towards market-based knowledge societies and economies.**



## Link with INCO-NET EECA

- Generic proposal to overcome the deficits of S&T statistics in EECA was a deliverable produced under INCO-NET-EECA
- Implementation is not foreseen under INCO-NET EECA
- Formulated like an IPA project fiche (template of the IPA 2009 Multi-beneficiary Statistical Cooperation Programme, Project Fiche No. 11)
- Based on input of 25 experts (Assessment report and Workshop in Vienna)

## Beneficiaries

Statistical systems, in particular the **National Statistical Institutes**, plus other partners involved in producing official S&T statistics (e.g. some Academies of Science).

## Expected Results (1)

- Improved harmonisation of statistical regulations/standards in the field of RTDI according to international good practices based on OECD, UNESCO and EUROSTAT experience
- A learned network of experts with improved administrative capacity, including capacity for the coordination of the national statistical S&T systems

## Expected Results (2)

- Improved functioning of the national S&T statistical system through updated methodology (incl. international comparable definitions), model templates for S&T statistical survey available in the national languages and tested in field trials.
- Improved availability, quality, timeliness and comparability of statistical data and analysis.

## Indicators to Measure Achievements

- Increased level of alignment with the relevant OECD and UNESCO standards
- Number of new internationally standardised indicators covered (especially in the business enterprise sector, the private non-profit sector and in the field of innovation)
- Volume of data transmitted to UNESCO
- Number of statisticians trained
- Number of test-trials

## Activities (1)

- Identification of responsible, committed institutions and persons, organised in a regional learning network, trained and networked for continuous information exchange and learning.
- Under international guidance training seminars accompanying self-responsible efforts to translate, reflect and assure understanding of some relevant methodological guidelines, texts and templates.

## Activities (2)

- **Emphasis on certain S&T and innovation key categories and indicators which are by now scarcely applied. A focus should be on the business-enterprise sector. Indicator application on GBOARD, product fields, socio-economic objectives, FTEs etc. to be improved.**
- **Model templates for S&T statistical surveys to be developed for test and reality surveys in national languages.**

## Excursus

### Pilot surveys:

- **Adequate preparations:**
  - **Forms, Questionnaires**
  - **Techniques (manual, Internet, CATI ...)**
- **Cognitive tests**
- **Pilot surveys on limited sample**
- **Analysis of findings and experience**
- **Institutionalisation of statistical surveys**

## Activities (3)

- **Technical infrastructure for conducting field exercises to be installed.**
- **Expert missions to the beneficiaries to be organised to provide on-the-spot guidance and assistance.**
- **Experiences from „desk“ and „field“ to be exchanged and good practices identified.**
- **Standards and guidelines for analysis and presentation of S&T statistics to specific customers to be elaborated.**

## Generic Side Activities

- **EECA beneficiaries to be invited and introduced to other learned communities (e.g. OECD, UNESCO...).**
- **Study visit to statistical offices in the countries of the European Statistical System (ESS) and Russia and in other EECA countries.**
- **Traineeships of EECA experts in ESS.**
- **Web-based repository in Russian and English.**

## Conditionality

- Good cooperation between NSI; continuous committed work without personnel changes.
- Strong ownership of NSI to be secured.
- Different country levels are respected and room for flexibility is given, but an understanding of a common regional exercise to assist each other where necessary and practical must be achieved.
- NSIs must contribute own resources.
- Personnel must be capable to communicate in English.

## Experiences with changing methodology

- A. Action plan
- B. Identification of present situation
- C. Resources – domestic
- D. International support
- E. Education and Trainings
- F. Statistical agencies in action – pilot surveys
- G. Monitoring and evaluation

**MOST WORK IS HOMEWORK!**

Based on a presentation  
by Djuro Kutlaca

## International Support

- Financial support is not the only form of support!
- Knowledge and Experience
- Software
- Institutions & Experts:
  - UNESCO
  - OECD
  - World Bank
  - EUROSTAT
  - National statistical offices from other countries

## Main Statistics Organisations on the Global Level for S&T statistics

- OECD, Directorate for Science, Technology and Industry  
([http://www.oecd.org/department/0,3355,en\\_2649\\_33703\\_11111\\_1\\_00.html](http://www.oecd.org/department/0,3355,en_2649_33703_11111_1_00.html))
- UNESCO UIS, Science and Technology Statistics  
<http://www.uis.unesco.org/>
- EUROSTAT, Science, Technology and Innovation  
<http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home/>  
[http://epp.eurostat.ec.europa.eu/portal/page/portal/science\\_technology\\_innovation/introduction](http://epp.eurostat.ec.europa.eu/portal/page/portal/science_technology_innovation/introduction)
- UNECE -The United Nations Economic Commission for Europe (UNECE)  
<http://www.unece.org/about/about.htm>
- UNCTAD – INSTI, UN International Network of Science and Technology Institutions  
<http://www.unctad.org>
- UNIDO, Research and Statistics Branch  
<http://www.unido.org/index.php?id=4879>
- THE WORLD BANK, World Development Indicators (WDI) – S&T Indicators  
<http://data.worldbank.org/indicator/>



# Thank you!

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