



## JRC-EC - CEI – ICGEB European Workshop on

### *“Smart Specialization Strategy in the Field of Biotechnologies in Europe: A Challenge for CEE Region”*

*Organized by Faculty of Natural Sciences, University of SS. Cyril and Methodius, Trnava  
in cooperation with Slovak Academy of Sciences, Bratislava  
and ICARST, Bratislava*

**Venue: Hotel Tatra, Bratislava, Slovakia**

**Date: 4<sup>th</sup> – 6<sup>th</sup> September 2017**

**International Advisory Board:** Prof. M. Giacca, ICGEB, Trieste, Italy; Dr. G. Van den Eede, JRC-EC, Brussels, Belgium; Dr. P. Canciani, CEI, Trieste, Italy; Prof. M. Kaltschmitt, Hamburg University of Technology, Germany; Prof. R. Boča, FNS UCM Trnava, Slovakia; Prof. G. Fassina, Xeptagen, Italy; Prof. J. Šajbidor, FCHFT STU, Bratislava, Slovakia; Dr. L. Iriarte, IISAS, Madrid, Spain; Prof. M. Novák, NI SAS, Bratislava, Slovakia; Prof. K.M.A. Gartland, Caledonian University of Glasgow, UK

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**Objectives:** The planned Workshop is focused on evaluation of current state and prospects of development of R&I areas included within RIS3 strategy in many European countries with particular focus on regional cooperation of CEE countries. The overall objective of the Workshop is to further promote Research and Innovation Smart Specialization Strategy (RIS3) with the focus on CEE countries in the field of Biotechnology ranging from industrial biotechnology, biobased industries and bioeconomy, through environmental, agro-food biotechnology up to medicinal and pharma biotechnologies. The Workshop aims at providing a forum for discussion between multi-sectorial stakeholders to share knowledge and experience and to formulate recommendations on national and regional level towards increasing smart specialization, competitiveness and impact on related biotech industries, strengthening the regional cooperation within European research programs and cooperation with international organizations such as JRC-EC, ICGEB, CEI.

#### **Expected Outcomes:**

- Increased awareness and sharing of knowledge and experience on the key issues of biotechnologies and biobased industry, relevant to RIS3 strategy.
- Briefing on the new technologies and their potential role to improve bioeconomy in the field of biobased industrial products and processes, advanced biofuels, biorefineries, biomaterials, as well as agro-food, pharma and medicinal biotechnology and related industry.
- Sharing of knowledge and lessons learned from other ongoing initiatives in the area of biotechnologies promoted by international organizations and bodies (JRC EC, CEI, ICGEB) targeting the synergies among various initiatives, their concertation in the CEE region.
- Strengthening of collaboration of CEE countries with CEI, JRC EC and ICGEB.
- Recommendations on the way forward focusing on the promoting regional cooperation such as Danube Initiative, CEI network, and strengthening participation of CEE institutions in their programs including also Horizon 2020 programs.

**Participation:** Participation: JRC-EC - CEI - ICGEB European Workshop is open to researchers, technologists, industrial experts and representatives from international organizations and NGO, governmental officers, involved in the field from the whole Europe. The Workshop is co-sponsored by JRC-EC, CEI and ICGEB. There is no registration fee. Key speakers and limited number of invited participants from CEE countries can obtain financial support to participate.

#### **Key Topics of the Workshop:**

##### **Monday, 4<sup>th</sup> September 2017**

- I. Smart Specialization Strategy in Europe present state and future (EC, Slovakia, etc.)
- II. International programs to support biotechnologies and biobased industries development relevant to RIS3
- III. **Key lectures on:** state of the art and challenges in industrial biotechnologies (biofuels, biomaterials, agro-food, future medicinal biotechnologies)
- IV. **Industrial biotechnologies (IBT)**
- V. Biobased industries, advanced biofuels & integrated biorefinery, biobased products, biomaterials & plastics
- VI. Technologies and industrial scale-up of ABB (status, problems, future prospects) - situation in the world and in Europe, situation in CEE (industries)
- VII. Environmental issues, (reduction of air & soil pollution), sustainability issues in ABB development: economic, environmental and social aspects

##### **Tuesday, 5<sup>th</sup> September 2017**

- VIII. **Green agro-food biotechnologies:** food, animal and plant biotechnologies
- IX. **Medicinal biotechnologies:** pharmacology, gene therapy, stem cells, early diagnostics, biosensors, tissue engineering, and regenerative medicine
- X. **Development of national and regional cooperation in biotechnologies** – role of biotechnology centers and clusters
- XI. **Sustainability and bioeconomy**

##### **Wednesday, 6<sup>th</sup> September 2017**

- XII. From research to innovation and to industry in biotechnology, public private partnership, future biobased high-tech industries
- XIII. Country reports (IBT, biobased industry, MBT, private. public partnership - RIS3 - CZ, SK, H, PL, other selected CEE countries)
- XIV. Working groups discussion on regional cooperation in IBT and MBT focusing on smart specialization
- XV. Preparation of proposals on regional cooperation, plenary discussion, presentation of recommendation

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