Minutes of the 10th Steering Committee - Meeting of the CEA (the French Alternative Energies and Atomic Energy Commission) and the Ministry of Education, Science and Sport

14th of April 2015, Ljubljana

Location: Ministry of Education, Science and Sport, Masarykova 16, SI-Ljubljana

Participants:

SLOVENIA:
Ministry of Education Science and Sport:
Ms Tea Glažar, Secretary, the Head of International Cooperation and European Affairs Department, Ministry of Education, Science and Sport
Mr Tomaž Boh, Secretary, the Head of Science Division, Science Directorate, Ministry of Education, Science and Sport;
Mr Primož Pristovšek, the Head of Department of Research Infrastructure and International Cooperation, Slovenian Research Agency;
Ms Maja Keržan, Analyst, International Cooperation and European Affairs Department, Ministry of Education, Science and Sport.

Ministry of Infrastructure:
Mr Danijel Levičar, Director – General, Directorate for Energy, Ministry of Infrastructure;
Ms Milena Černilogar Radež, Secretary, Ministry of Infrastructure;
Ms Urška Dolinšek, Undersecretary, Ministry of Infrastructure.

FRANCE:
CEA:
Mr Daniel Iracane, Deputy Director of International Affairs Division at CEA;
Ms Sophie Avril, European Affairs Officer at CEA.

General information:

After the presentation of all gathered participants at the 10th Steering Committee Meeting of the CEA (the French Alternative Energies and Atomic Energy Commission) and the Ministry of Education, Science and Sport, Ms Tea Glažar, the Head of the International Cooperation and EU Affairs Service within the Ministry of Education, Science and Sport, made a welcome speech and then both sides adopted the agenda of the meeting.
Ms Tea Glažar explained the general orientation in the field of bilateral scientific cooperation and added that the cooperation with the French republic, especially with CEA, where we are dealing with very important projects will continue also for the next period.
Further Mr Danijel Levičar, the Director – General, from the Directorate for Energy, within the Ministry of Infrastructure presented the information about a key national energy policy in the Republic of Slovenia. Additionally he explained, that the Energy Directorate within the Ministry of Infrastructure performs tasks relating to the efficient use of energy and to the provision of renewable sources of energy, energy supply, sources of energy and mining. At the moment, the Ministry of Infrastructure is preparing a fundamental energy policy document, the Energy Concept of Slovenia, which will set goals for the sustainable development of the energy sector till the year 2055. The draft of this energy concept will be prepared until the end of this year, and will pursue three pillars of energy policy: security of supply, sustainability and competitiveness; the goal of increasing energy efficiency; and energy supply from low-carbon energy sources. The goal is also to reduce the import dependence of the Republic of Slovenia. Afterwards the debate was about the nuclear infrastructure in Slovenia (NPP Krško, Triga Research Reactor, ICJT – Nuclear Training Centre, ARAO – Agency for the management of nuclear waste, SNSA – Nuclear safety regulator).

Further the discussion was about the recent policy developments in the field of R&D and the cooperation within the Horizon 2020, where we are more successful (related to first round of calls) than we were within the 7th EU Framework Programme for Research and Innovation. Mr Tomaž Boh, the Head of Science Division, Science Directorate, within the Ministry of Education, Science and Sport especially put the emphasis on the Research and Innovation Strategy of Slovenia 2011 - 2020 and represented the research capacities in the Republic of Slovenia, including the biggest research institute, the Jozef Stefan Institute. Additionally Mr Tomaž Boh informed about the preparation of the Smart Specialization Strategy (RIS3), which is in line with the Research and Innovation Strategy (RISS), as well as with the Slovenian Industrial Policy (SIP). The preparation of new programmes within the RIS3 will be financed also by the EU Structural funds. The main challenge in the future will be to establish an environment from the button up and not only from the up down approach. The RIS3 is planned to be finished in about 2 months. Important elements of the research policy are widening participation instruments, where applicants from Slovenia were successful with 2 teaming applications (passed first stage). Themes of these projects are well covered within draft RIS3 priorities. (Health environment, renewable materials, linked with wood industry). Another important field, where Slovenia will put effort is cooperation within the European Research Council. Namely, according to indicators of scientific excellence Slovenian success rate in ERC calls is not satisfactory. Therefore we believe that also some institutional adaptations are needed.

Mr Daniel Iracane, the Deputy Director of International Affairs Division at CEA, informed the Slovenian side on the work of CEA, which is French government-funded technological research organisation, and a prominent player in the European Research Area, which is involved in setting up collaborative projects with many partners around the world. From 2006 on they are preparing a new Act about long and lived waste (in 2013 they had a public debate). Within this Act there are 4 main objectives: research and industry, building competences, research for science and support policy markers, which will contribute to the creation of value and sustainable jobs. Mr Iracane put special emphasis on the present situation, where open innovation processes are required. They are having a very expensive pre-industrial pilot line, which is a start-up to test the projects from different topics. This is a reason to have a very strong local support, while they are creating new jobs (750 patents by year; 10 start ups per year, 200 on going contracts with industrial and academic partners, 1500 PhD students, 4500 public actions per year, and 150 new companies established since 1984).

Review of Projects in the period 2013-2014 and selection of projects for the period 2015-2017

The Steering Committee has surveyed the seven projects that have been approved for the period 2013-2014 and has positively evaluated their outputs.

In the joint Call for projects for the period 2015-2017 the Slovenian Research Agency received 20 proposals for joint research projects; CEA received 19 project proposals. Among the latter the Steering Committee approved 7 projects for funding. The projects were selected based on the priority lists of both sides. The projects will run for two years from 1.7.2015 to 30.6.2017.

The total funding by the Slovenian Research Agency is 420.000 EUR for the period 2015-2017. In CEA funding is provided by the own budget of the unit concerned.

The results will be published on both sides in the week between the 20th and 24th of April 2015. The next call for the period 2016-2018 is planned to be launched in October 2015.

The next meeting should be programmed in France in 2016. CEA will take the initiative to propose the dates to Slovenian partners. The status of current projects will be reviewed and the projects for the period 2016-2018 will be selected during that meeting.

Ms. Tea Glažar
Head of International Cooperation
and EU Affairs
Ministry of Education, Science and Sport

REPUBLIKA SLOVENIJA MINISTRSTVO ZA IZOBRAŽEVANJE, ZNANOST IN ŠPORT 22 Ljubljana

Mr Daniel Iracane
Deputy Director
International Affairs Division
CEA

#	CEA PI	CEA RO	Projekt	Project	SLO PI	SLO RO Eng	ARRS funding
1	Nicolas Richard	CEA-DAM-DIF, Laboratoire Composants et Technologies Durcies	Povečanje odpornosti silicij oksidnih komponent pod ekstremnih pogojih s pomočjo računalniškega modeliranja	Computationally Aided HARDening of silica-based components for extreme environments (CADHARD)	Matjaž Valant	University of Nova Gorica	**55.000**
2	Delfina Muñoz	Institute national de l'energie solaire (INES)	Upravljanje s fotoni in elektroni v visokoučinkovitih silicijevih heterospojnih sončnih celicah	Photon and electron management in high-efficiency silicon heterojunction solar cells	Marko Topič	University of Ljubljana	**50.000**
4	Jacques-Philippe Colletier	Institut de Biologie Structurale CEA/DSV - Univ. Grenoble Alpes - CNRS UMR 5075	Razvoj novih inhibitorjev in fluorescenčnih sond za butirilholin-esterazo	Development of new inhibitors and imaging probes for butyrylcholinesterase	Stanislav Gobec	University of Ljubljana, Faculty of Pharmacy	**65.000**
5	Jean Sciare	Laboratoire des Sciences du Climat et de l'Environnement, mixte CNRS-CEA-UVSQ	Sevalni prispevek puščavskega mineralnega prahu in koncentracije delcev PM10 nad južno Evropo	Radiative forcing of desert mineral dust and PM10 concentrations over Southern Europe	Maja Remškar	Jožef Stefan Institute	**65.000**
11	Damien Fourmentel	CEA Cadarache Instrumentation, Sensors and Dosimetry Laboratory	Eksperimentalna metoda za realnočasovno korekcijo nevtronskega spektra z uporabo različnih fisijskih celic s primernimi fisijskimi materiali	Experimental on-line neutron spectra adjustment method using various fission chambers with adequate fissile isotopes	Gašper Žerovnik	Jožef Stefan Institute	**75.000**
14	Pascal Piluso	CEA Cadarache-DEN/DTN/SMTALaboratoire de Physique et de Modélisation des Accidents graves	Raziskovanje stratificiranih parnih eksplozij	Investigation of stratified steam explosions	Matjaž Leskovar	Jožef Stefan Institute	**60.000**
17	Jérémy Hure	CEA, Direction de l'énergie nucléaire, Département des Matériaux pour le Nucléaire, Service d'Etudes des Matériaux Irradiés, CEA Saclay	Kvantitativna napoved napetosti, ki sproži nastanek napetostno korozijskih razpok v notranjih strukturah tlačnovodnega reaktorja	Towards quantitative prediction of stress corrosion cracking initiation stress threshold for PWR's internals	Samir El Shawish	Jožef Stefan Institute	**50.000**
Total							**420.000**