

SNETP activity Report

January 2016 – December 2016

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1. Introduction

This annual Activity Report of the Sustainable Nuclear Energy Technology Platform (SNETP) covers the period from January 2016 until December 2016.

This period witnessed major developments in SNETP and each of its pillars, establishment or reinforcement of interactions with public authorities on different levels, launch of different R&D projects and organisation of particular events.

Since January 2016 the basic Secretariat is assured by LGI. Since May 2015 the H2020 project SPRINT contributes to strategic and communication activities of SNETP.

2. Organisation, members and finances

The Platform '3-pillar' vision is maintained:

- ESNIIT TF: European Sustainable Nuclear Industrial Initiative Task Force
- NUGENIA: NUClear GEneration II&III Association (mandated by SNETP for R&D on GEN II& III)
- NC2I TF: Nuclear Cogeneration Industrial Initiative Task Force

The groups' mission is to define their priorities, plan their implementation and roadmaps and propose an organisation involving the relevant stakeholders.

During the year 2016 the members base was consolidated. Following the call for fees the membership of 68 members from 18 countries was confirmed. 55 members are paying fees and 13 are exempted. The members are divided into categories as follows:

Industry :	17
R&D :	22
Academia :	7
TSOs :	6
SMEs :	3
Others :	13

In terms of financial situation, the report by the SNETP treasurer (CEA) was given in November 2016 to the SNETP General Assembly.

- Real expenses for the SNETP in 2016 : 132.273,90 € (*)
- Collected at the end of 2016 : 132.263,00 €

Payments (111.449.22 EUR) for the Secretariat support in the period 2014-2015 and 2016 are recognised and will be paid in the agreed payment calendar in 2017. Administrative tools/manuals for the effective financial monitoring and future in-time payments are put in place by the Treasurer.

The new structure of the SNETP membership fees was agreed by the General Assembly as follows:

Membership fees pour 2017

Industry: 3000 EUR

RTOs & TSOs: 2000 EUR

SMEs: 1000 EUR

Academia: 500 EUR

Other : 0 EUR

3. Working Groups

ETKM WG – Education & Training

Mr John Roberts (University of Manchester) is representing the Working Group. He is the central point for channelling discussions between the SNETP Executive Committee and ENEN or other relevant organisations.

ESNII – Advanced nuclear reactors

The ESNII TF meets regularly two times a year. It is chaired by Noel Camarcat and co-chaired by Peter Baeten.

- The Task Force has in total 26 members
- 9 from the industry (Amec, Ansaldo, Areva, CEZ, Empresarios Agrupados, EDF, ENGIE, Iberdrola, Tecnatom)
- 14 from Research organisations (CEA, Ciemat, EC JRC, ENEA, KIT, MTA EK, NCBJ,>NNL, NRG, RATEN, SCK•CEN, UJV, VUJE, VTT)
- 3 Universities or universities consortia (CIRTEN, DIME-UNIGE, UPV)
- The implementation plan was finalised and presented in 2016
- The procedure of signature of the updated ESNII Memorandum of Understanding and the Non-Disclosure Agreement was finished in the first half of 2016
- 7 projects were supported by ESNII Executive Board in the context of the proposals preparation for the Euratom H2020 call (October 2016)
- Participation of ESNII representatives to selected events:
 - INPRO section meeting at IAEA (15 april2016)
 - OECD Nuclear Initiative NI 2050 (20 june2016) : review «the most valuable R&D to achieve commercial readiness of sustainable nuclear technologies»
 - Advisory Panel Advanced Reactors Expert Group
 - SET Plan Steering Group meeting with stakeholders. Declaration of Intent for Action 10 Nuclear: 24 May 2016 Brussels
 - European Nuclear Society General Assembly in Vienna (13 june2016) : general overview of SNETP activities,
 - presentation by SNETP Chairman at ENC Conference Warsaw
 - Foratom General Assembly in Brussels (28 june2016) : collaboration between SNETP and Foratom
 - ESNII participated at the GIF meeting in Seoul in October(subgroup Senior Industry Advisory Panel-SIAP)

NUGENIA - Formerly GEN II/III TWG

NUGENIA is an international association governed by annual General assembly. Operational management is ensured by the NUGENIA Executive Committee supported by the NUGENIA Secretariat.

Annual NUGENIA Activity reports are available for more information. 2016 in brief:

- March: Call for applications for NUGENIA Mobility Grants
- April: Fifth NUGENIA Annual Forum in Marseille hosted more than 200 participants
- May: NUGENIA organized the Academia day within the framework of the NESTet Conference in Berlin
- June: NUGENIA organized the Open SME days during the World Nuclear Exhibition in Le Bourget (Paris)
- July: 9 project ideas obtained the NUGENIA Label

- August: NUGENIA+ Final Meeting was organized in Helsinki. All Work Packages and pilot projects had the chance to present the results of the work performed
- August: Signature of a Memorandum of Understanding with the Ministry of Economic Affairs and Employment of Finland (SAPHIR 2018)
- August: 12 project ideas obtained the NUGENIA Label
- September: NUGENIA hold its Second Stakeholders Conference within the framework IAEA's 60th General Conference.
- October: most of the project ideas labelled by NUGENIA are submitted to the H2020 Euratom call
- November: NUGENIA is represented at the sixth SNETP General Assembly organized during the SET Plan conference in Bratislava

NUGENIA labelled in 2016 in total 22 project ideas from which 19 were submitted as project proposals to the Euratom H2020 and at least to projects will be launched in-kind in 2017.

NC2I - Cogeneration

Nuclear cogeneration pillar looks into potential of the nuclear high temperature technology in the heat market (coupling with industrial process heat applications, recovery and progress of the HTGR technology).

GEMINI is a joint initiative with US counterpart on cogeneration – NGNP.

Implication of the NC2I representatives on the SMR initiatives in UK and HTGR initiatives in the Netherlands. Poland has also issued a nuclear roadmap where different demo projects are envisaged (LWR/PGE, U-Battery, HTGR).

NC2I organised an Information session on cogeneration progresses during the SET Plan conference in Bratislava.

NC2I also supported the preparation of the H2020 project proposal Gemini-Plus.

4. SNETP Secretariat

The SNETP Secretariat assures the day-to-day running of the platform:

- organising formal meetings, setting up the agendas, sending the support documents, writing the minutes and following up the decisions/actions taken (ESNII TF, ESNII Executive Board, NC2I Task Force, Executive Committee, Governing Board)
- interact with the NUGENIA Secretariat
- updating and operating the SNETP private (Members area) and public websites
- handling membership applications and other electronic correspondence
- arranging publication of Platform reports and documents
- contribute to the discussions on the future services of SNETP
- contribute to the discussions on the evolution of SNETP (i.e. towards a legal entity)
- writing internal bulletins

H2020 SPRINT project supports in particular the communication and dissemination activities of the SNETP as well as the reflexion on the future services and strategic evolution options.

- creating communication materials (newsletters, newflashes, etc.)
- update SNETP public website
- representing SNETP at international events

Members of the SNETP Secretariat (LGI) assisted to the SNETP Treasurer (CEA) with the collection of the membership fees in 2016.

5. SNETP interactions

- NUGENIA Forum 2016 organised jointly with Jules Horowitz Reactor event in Marseille (April 2016)
- SNETP releases Position Paper on European Innovation Council (May 2016)
- SNETP contributed jointly with EERA/JPNM* to the consolidation of the SET Plan Issue Paper prepared by the European Commission – Action 10 (June 2016)
- 2nd NUGENIA Stakeholders conference during IAEA Annual meeting in Vienna (September 2016)
- The SNETP General Assembly organised as a side event of the Set Plan conference in Bratislava
- Signature of a Memorandum of Understanding with EERA/JPNM* enhancing further cooperation (Dec 2016)

Annex 1 Calendar of SNETP Meetings and Key events (January 2016-December 2016)

Date	Location	Meeting	Nr.
20/01/2016	Brussels	ESNII Task Force	20
26/01/2016	Paris	SNETP Secretariat meeting	
18/02/2016	Paris	SNETP Executive Committee	26
22/03/2016	Brussels	SNETP Governing Board	18
01/06/2016	Brussels	SNETP Executive Committee	27
02/06/2016	Paris	NC2I Task Force	8
15/06/2016	London	ESNII Task Force	21
01/07/2016	Paris	SNETP Governing Board	19
09/09/2016	Brussels	ESNII Executive Board	8
03/11/2016	Brussels	SNETP Executive Committee	28
30/11/2016	Bratislava	SNETP General Assembly	6
30/11/2016	Bratislava	NC2I Information session/NC2I TF	9