

SNETP activity Report

December 2012– December 2013

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Document title	SNETP Report, December 2012 - December 2013
Document type	Report
Author(s)	
Document number	SNETP_Annual_Report_2013
Issued by	LGI
Dissemination level	X Public _ Restricted to SNETP Members _ Restricted to specific group:

Revisions				
Rev.	Date	Short description	First author	Approved by (optional)
01	26/08/2014	First issue	M. Carulli	V. Chauvet
02				
03				

Distribution list		
Name	Organisation	Comments

1. Introduction

This fourth Annual Report of the Sustainable Nuclear Energy Technology Platform (SNETP) covers the period from December 2012 until December 2013. The report is a required deliverable of the SMILE project of the 7th Euratom Framework Programme (the follow up of the SNETP Office of the 6th Euratom FP), which corresponds to the official SNETP Secretariat.

This period witnessed the consolidation of SNETP in the European Framework, as well as the publication of some key documents (like the Strategic Research and Innovation Agenda, the report on the Fukushima report, the ESNII Implementation Plan 2013-2015 and others). Also, during this period, a collaboration framework with the IGD-TP started, together with some organisational discussions on the future of the platform in Horizon 2020.

Throughout this period the Platform membership continued to grow, from 111 members in November 2012 to 116 members in December 2013.

2. Organisation and structure

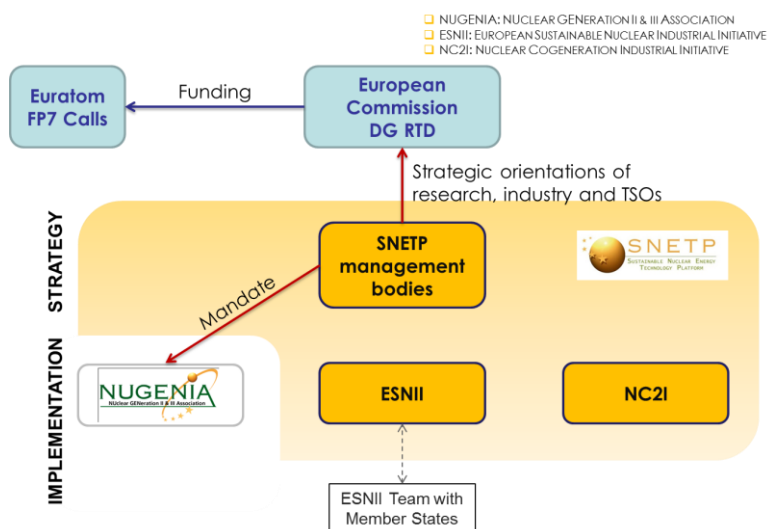
During this period SNETP was in charge of the prioritisation and organisation of the European R&D required to achieve the ambitious goals of nuclear fission development, in particular with respect to the SET Plan.

By March 2012, SNETP gave a mandate to NUGENIA to act as the body in charge of coordinating at EU level the implementation of the R&D within its technical scope: GEN II&III R&D as described in the Strategic Research Agenda (SRA) of SNETP, and related cross-cutting topics. This evolution of the WG Gen II&III of SNETP to NUGENIA, as an international association, is described in the picture below.

The Platform '3-pillar' vision is still maintained:

- ESNII TF: European Sustainable Nuclear Industrial Initiative Task Force
- NUGENIA: NUclear GEneration II&III Assotiation (mandated by SNETP)
- 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.



After the Fukushima accident, the Governing Board decided to create an ad-hoc group, the Fukushima Task Force to prepare a report on the needs on research after the conclusions of the accident. Once the document published the group will be 'dormant' (to be reactivated when the time comes to update this document).

During this period the Governing Board decided to create a new Editorial Board in charge of the update of the Strategic Research and Innovation Agenda, published in 2009. The new version will be ready in February 2013. Also the ETKM group has been reactivated. The current organisation structure is described in the picture below:

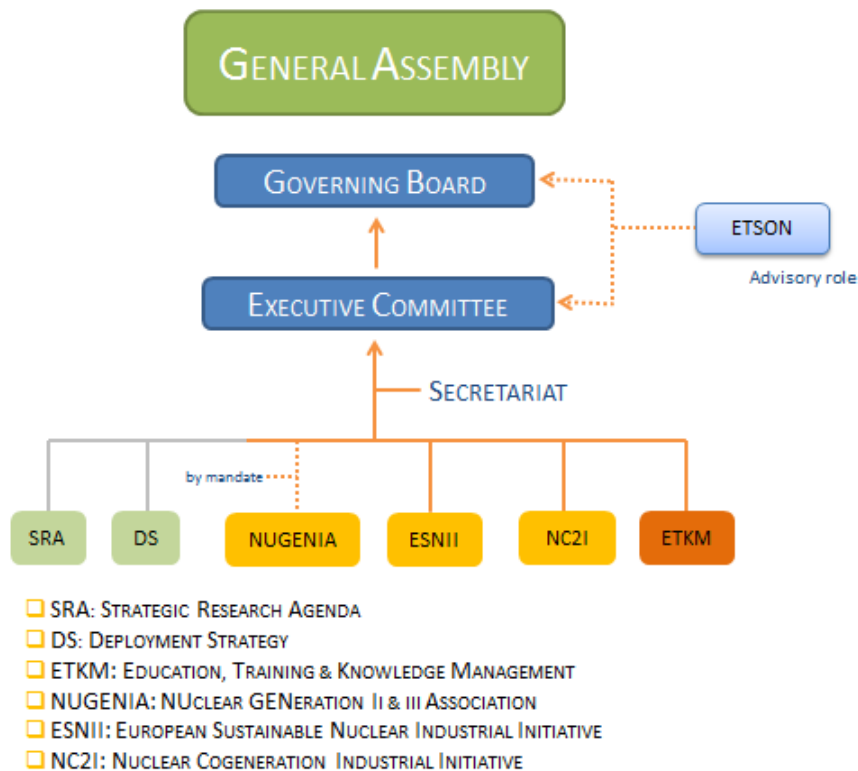


Figure 1: Organisation chart of the SNETP, as of October 2012

3. Working Groups

Editorial Board SRIA

In January 2013 the final meeting of the SRA Editorial Board (composed by 14 members) took place in Paris. Once closed the public consultation, the SRIA was released in the occasion of the European Nuclear Symposium on 26th and 27th February 2013, published on the SNETP website and printed in 500 copies. In the occasion of the publication of the SRIA, the SNETP website experienced a high peak in terms of number of visits.

An analysis of the results of the open consultation was published on the SNETP website and an answer was sent for most of the comments received during the consultation.

Three copies of the SRIA were sent to the representative of each platform's member as well as to the members of the Governing Board and the Executive Committee.

The paper version was distributed in the occasion of several events, like the IAEA Fast Nuclear Reactors conference held in March 2013, the 8th ENEF plenary meeting held in Prague in May 2013, the FISA event held in October 2014 in Vilnius, the SNETP General Assembly and others.

ETKM WG – Education & Training

The action plan presented to the Governing Board meeting on 4th October 2012 was approved. The action plan tried to consolidate all the recommendations present in the most recent international reports on E&T and obtain defined actions and the plan to be implemented with the stakeholders involved.

The activities of the Working Group were revamped in the occasion of the 16th ETKM meeting and common FORATOM E&T TF/ETKM meeting which took place in January 2013, where potential frameworks of collaboration were discussed.

After the resignation from the Chairmanship by Mr Anselm Schaeffer (Technical University of Munich), Mr John Roberts (University of Manchester) was appointed as vice-Chair of the Working Group.

ESNII TF – Advanced nuclear reactors

After its formal launching in the SET Plan Conference on 15-16 November 2010, the ESNII TF has evolved in several aspects.

- The Task Force started with 13 members and has now 27 (12 from the industry and 15 from Research organisations)
- The implementation plan 2013-2015 was defined and published on the SETIS and SNETP websites.
- From the organisational point of view, the Secretariat started the activities for the update of the Memorandum of Understanding and the Non-Disclosure Agreement (originally signed by 13 members in 2010 and expired in 2013).

ESNII (and SNETP) was asked by the European Commission (SET-Plan Secretariat) to contribute in the development of the SET-Plan Integrated Research Roadmap. A representative per pillar was appointed, actively participating in the activities of the IRR Working Group, while the ExCom Chairman was involved in the activities of the Coordination Group.

NUGENIA - Formerly GEN II/III TWG

NUGENIA is the result of the integration process of 3 groups active in the nuclear energy research field of Generation II & III technologies:

- The SNETP Technology Working Group Gen II & III
- The NULIFE Network of Excellence on nuclear plant life management
- The SARNET Network of Excellence on severe accidents

NUGENIA has been established as a natural progression of the NULIFE NoE and as a fruit of close collaboration with the SNETP and SARNET. The legal form of an association was chosen and is now up and running. The Association being an independent legal entity is open to all

nuclear stakeholders endorsing the Statutes. All members of SNETP are invited to apply for membership.

The SNETP Governing Board officialised its mandate to NUGENIA to act as the body in charge of coordinating at EU level the implementation of the R&D within its technical scope: GEN II&III R&D as described in the Strategic Research Agenda (SRA) of SNETP, and related cross-cutting topics. This mandate also details the contribution of the SMILE project to support NUGENIA, in continuation of the support provided to the Gen II/III TWG. The mandate and more information on NUGENIA are available on www.nugenia.org.

NC2I TF - Cogeneration

After the constitution of the Nuclear Cogeneration Industrial Initiative (NC2I) Task Force by the end of 2012, the activities of this Working Group continued throughout 2013 and the beginning of 2014. Some physical meetings and conference calls were organised, as well as a conference call with the representatives of NGNP Industry Alliance (Next Generation Nuclear Plants). NC2I paid a visit to NGNP in March 2014 to discuss possible cooperation among the two initiatives (it was decided to sign a Memorandum of Understanding between the two initiatives). In the framework of this Working Group it was also decided to sign a Memorandum of Understanding and a Non-Disclosure Agreement among the NC2I members (the procedure is ongoing at the time of submitting this report).

4. Secretariat SNETP

From June 2011 to November 2012, the administrative work of the Platform has been carried out by the EC-funded Secretariat, with the Paris-based consultancy LGI as Co-ordinator assisted by CEA, E.ON, FORATOM, UJV Rez and RI Consulting (as from its entry in the project in June 2013). The new office of LGI Consulting located in Brussels was also used, as from March 2013, for the Secretariat activities.

The Secretariat has been very active in providing support to the SNETP activities by:

- organising formal meetings, setting up the agendas, sending the support documents, writing the minutes and following up the decisions/actions taken
- updating and operating the SNETP private and public websites
- handling membership application and other electronic correspondence
- arranging publication of Platform reports and documents
- creating communication materials (newsletters, newsflashes, internal bulletins, etc)
- representing SNETP at numerous international events

The Secretariat also implemented at working level the strategy of SNETP to interact with various other entities or bodies, such as EC, ENEC, ESFRI, the SET-Plan groups, targeted European Technology Platforms and initiatives and the IAEA

Annex 1 Calendar of SNETP Meetings and Key events (November 2012-December 2013)

2012		
7 December 2012	21 st meeting of the SNETP Secretariat	Brussels
9-12 December 2012	European Nuclear Conference 2012 (participation of the Secretariat)	Manchester
10-11 December 2012	13 th NUGENIA Executive Committee	Manchester
2013		
14-15 January 2013	4 th SNETP Editorial Board	Paris
17 January 2013	GIF Coordination meeting (participation of the Secretariat)	Brussels
18 January 2013	NUGENIA Secretariat meeting	Paris
29 January 2013	16 th ETKM meeting and common FORATOM E&T TF/ETKM meeting (participation of the Secretariat)	Brussels
4 February 2013	NC2I – NGNP meeting	confcall
6-7 February 2013	14 th NUGENIA Executive Committee	Prague
8 February 2013	4 th ESNII Executive Board meeting	Paris
12 February 2013	11 th Governing Board meeting	Paris
14-15 February 2013	NUGENIA Technical area leaders preparatory meeting	Stockholm
18-19 February 2013	NUGENIA Secretariat meeting	Brussels
26-27 February 2013	Participation in the EC Symposium on “Benefits on Nuclear Energy” , organised by the European Commission (Mr P. Howarth, NNL presented the SNETP)	Brussels
28 February – 1 March 2013	Joint Programming Conference under the Irish Presidency (participation of the Secretariat)	Dublin
4 March 2013	15 th ESNII Task Force meeting	Paris
5 March 2013	22 nd meeting of the SNETP Secretariat	Paris
4-6 March 2013	IAEA Fast Reactors Conference (participation by the Secretariat)	Paris
12-13 March 2013	16 th Executive Committee meeting	Brussels
27 March 2013	Preparation of the hearings on Innovative Financing Instruments in the field of Energy (participation of the Secretariat)	Brussels
30 April 2013	1 st meeting of the Task Force on SNETP2020 - Preparing the evolution of SNETP	Paris
7-8 May 2013	SET-Plan conference (Irish Presidency). Presentation of the SNETP by the Chairman, Mr F. Pazdera (participation of the Secretariat)	Dublin
27 May 2013	5 th ESNII Executive Board meeting	Brussels
30-31 May	8th ENEF Plenary meeting (participation of the Secretariat, SNETP stand present)	Prague
6 June 2013	2 nd meeting of the Task Force on SNETP2020 - Preparing the evolution of SNETP	Brussels
12-13 June 2013	17 th Executive Committee meeting	Brussels
20 June 2013	23 rd meeting of the SNETP Secretariat	Brussels
	Common meeting EC RTD/SNETP . The Chairman of the SNETP, Mr F. Pazdera, together with the vice Chair Mr.	

18 July 2013	A. A. Abderrahim and the ExCom Chair, Mr Y. Kaluzny, meet with Mr Andras Siegler and Mr B. Schmitz (EC DG RTD)	Brussels
25 July 2013	1 st IGD-TP/SNETP WG meeting	Brussels
5 September 2013	2 nd IGD-TP/SNETP WG meeting	Brussels
9-12 September 2013	Int. Conf. on Nuclear Energy for New Europe 2013 (Mr Pazdera presented the SNETP)	Bled
19 September 2013	12 th Governing Board meeting	Karlsruhe
7 October 2013	1st Workshop on Metallurgy Roadmap made in and 4Europe ” (participation of the Secretariat)	Brussels
8 October 2013	24 th meeting of the SNETP Secretariat	Paris
14-16 October 2013	FISA 2013 Conference (presentation by the Chairman) (participation of the Secretariat)	Vilnius
17 October 2013	18 th Executive Committee meeting	Vilnius
18 October 2013	4 th General Assembly	Vilnius
30 October 2013	16 th ESNII Task Force meeting	Paris
28 October 2013	4th IGD-TP Exchange Forum (Mr F. Pazdera presented the SNETP)	Prague
5-7 November 2013	Consultants’ Meeting on Enhancing Collaboration in Innovations to Support Sustainable Nuclear Energy Systems (MR T. Jackowski present for NC2I, Secretariat present for SNETP and ESNII)	Vienna
6 December 2013	19 th Executive Committee meeting	Brussels
18 December 2013	Italian national day for the launch of the Euratom H2020 call 2014-2015 (the ExCom member, Mr M. Sepielli presented the SNETP)	Rome
19 December 2013	ETPs stakeholders meeting (the Chairman and the Secretariat attended the meeting)	Brussels