

ERA-NET SIINN

FCT

Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA EDUCAÇÃO E CIÊNCIA



Overview of funded SIINN Projects

SIINN JTC 2014 statistics

Dina Carrilho – Call Office

FCT – Foundation for Science and Technology (Portugal)

EuroNano Forum 2015, Joint Seminar on NanoSafety, 12 June, Riga (Latvia)

SIINN Joint Transnational Calls (JTC)



	JTC 2012	JTC 2013	JTC 2014
Topics	<ol style="list-style-type: none"> 1. Establishment and development of models and methods for analytical tools, theoretical prediction, and characterization 2. Exposure assessment 3. Studies on Impacts of MNMs on environment 4. Studies on properties and effects of MNMs on human health 	<ol style="list-style-type: none"> 1. Over-arching aspects of Nanosafety research 2. Exposure assessment 3. Toxicity mechanisms 4. Environmental impacts of MNMs 5. Effects of MNMs on human health 	<ol style="list-style-type: none"> 1. Exposure assessment 2. Toxicity mechanisms 3. Effects of MNMs on human health 4. Environmental impacts of MNMs
Countries / Regions	9: Austria, Belgium (Wallonia), France, Germany, Israel, Portugal, Romania, Switzerland, UK	6: Austria, Belgium (Wallonia), Germany, Israel, Portugal, Romania	8: Austria, Belgium (Flanders), Germany, Portugal, France (Nord-Pas de Calais), Romania, Spain, USA

SIINN Call Committee - Funding Commitment



SIINN JTC 2012	Available Funding
BMVIT	300.000 €
SPW-DGO6	1.000.000 €
ANR	1.000.000 €
BMBF	3.000.000 €
CSO-MOH	60.000 €
FCT	200.000 €
UEFISCDI	500.000 €
FOPH	800.000 €
TSB	1.500.000 €
Total	8.360.000 €

SIINN JTC 2013	Available Funding
BMVIT	500.000 €
SPW-DGO6	1.000.000 €
BMBF	2.000.000 €
CSO-MOH	120.000 €
FCT	400.000 €
UEFISCDI	500.000 €
Total	4.520.000 €

SIINN JTC 2014	Available Funding
BMVIT	500.000 €
RCNPC	500.000 €
BMBF	2.000.000 €
FNRS	200.000 €
FCT	400.000 €
UEFISCDI	500.000 €
NSF	2.000.000 USD
MINECO	500.000 €
Total	4.600.000 € 2.000.000 USD

SIINN Joint Transnational Calls (JTC)



	JTC 2012	JTC 2013	JTC 2014
Available national/ regional funds	8.3 million €	4.5 million €	6.3 million €
Proposals submitted	20	30	39
Funded projects	3	5	<i>After July 2015</i>
Topics adressed	1,2	1,3,4,5	<i>After July 2015</i>
Allocated funding	2.3 million €	4.3 million €	<i>After July 2015</i>
Starting date of projects (24-36 months)	August 2013	Winter 2014	Winter 2015

Funded projects of first SIINN JTC 2012

Total budget: 2,338,538 Euro



▪ **NanoIndEx**

” Assessment of individual exposure to engineered nanomaterials by means of personal monitors and samplers”

Topic 2: Exposure assessment

8 Partners from France, Germany (Coordinator), Italy (own funds), Switzerland, United Kingdom; 36 months

Total funding volume: 993,285 Euro

▪ **NanOxiMet**

“Oxidant generating capacity as a metric to allow grouping of nanomaterials and prediction of human health effects”

Topic 1: Establishment and development of models and methods for analytical tools, theoretical prediction, and characterization

4 Partners from France, Germany (Coordinator); 36 months

Total funding volume: 818,888 Euro

▪ **NANOHETER**

“Fate of engineered nanoparticles in the water column under natural conditions. Role of the heteroaggregation with naturally occurring suspended matter”

Topic 2: Exposure assessment

4 Partners from France (Coordinator), Switzerland, USA (own funds); 36 months

Total funding volume: 526,357 Euro

SIINN JTC 2012 – funded projects



List of projects selected for funding in the SIINN Joint Transnational Call 2012

After a competitive scientific evaluation by peers, the SIINN funding organisations have decided to fund 3 excellent scientific projects, based on the ranking list established by the Scientific Evaluation Panel and the budget available .

Project Acronym	Title	Project coordinator	Participating countries
nanoIndEx	Assessment of individual exposure to engineered nanomaterials by means of personal monitors and samplers	Christof Asbach	France, Germany, Italy, Switzerland, United Kingdom
NanOxiMet	Oxidant generating capacity as a metric to allow grouping of nanomaterials and prediction of human health effects	Thomas Kuhlbusch	France, Germany
NANOHETER	Fate of engineered nanoparticles in the water column under natural conditions. Role of the heteroaggregation with naturally occurring suspended matter	Jerome Labille	France, Switzerland, USA

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Funded projects of second SIINN JTC 2013

Total budget: 4,375,144 Euro



▪ **NanoToxClass**

Topic 1 - “Establishing nanomaterial grouping/classification strategies according to toxicity and biological effects for supporting risk assessment”; 11 *Partners from Germany (Coordinator), Israel, Portugal, Romania, Belgium (Wallonia)*; 36 months

Total funding volume: 1,536,561 Euro

▪ **FENOMENO**

Topic 4 - „Fate and effect of wastewater-borne manufactured nanomaterials in aquatic ecosystems“; 4 *Partners from Austria, Germany (Coordinator), Portugal*; 36 months

Total funding volume: 1,112,194 Euro

▪ **PLATOX**

Topic 3 - “In vitro and in vivo investigations to generate validated toxicity data of graphene nanoplatelets vs. a carbon black reference”; 3 *Partners from Germany (Coordinator), Romania, Portugal*; 24 months

Total funding volume: 356,700 Euro

▪ **NANO_SAFE_LEATHER**

Topic 5 - “The effect on human health of Ag/TiO₂ NM-treated leathers for footwear industry”;

6 *Partners from Austria, Portugal, Romania (Coordinator)*; 36 months

Total funding volume: 466,739 Euro

▪ **NanoGeCo**

Topic 1 - “Nanoparticle generation by atomization processes in spray coating”; 4 *Partners from Austria, Germany (not funded by BMBF), Wallonia (Coordinator)*; 36 months

Total funding volume: 902,950 Euro (including German in-kind contribution by Fraunhofer)

SIINN JTC 2013 – funded projects



List of projects selected for funding in the SIINN Joint Transnational Call 2013

After a competitive scientific evaluation by peers, the SIINN funding organisations have decided to fund 5 excellent scientific projects, based on the ranking list established by the Scientific Evaluation Panel and the budget available .

Project Acronym	Title	Project coordinator	Participating countries
FENOMENO	Fate and effect of wastewater-borne manufactured nanomaterials in aquatic ecosystems	Holger Schönherr	Germany, Austria, Portugal
NanoToxClass	Establishing nanomaterial grouping / classification strategies according to toxicity and biological effects for supporting risk assessment	Andrea Haase	Germany, Israel, Belgium, Portugal, Romania
Nano_Safe_Leather	The effect on human health of Ag/TiO ₂ nm-treated leathers for footwear industry	Carmen Gaidau	Romania, Portugal, Austria
NANOGECO	Nanoparticle generation by atomization processes in spray coating	Julie LALOY	Belgium, Austria, Germany
PLATOX	In vitro and in vivo investigations to generate validated toxicity data of graphene nanoplatelets vs a carbon black reference	Otto Creutzenberg	Germany, Romania, Portugal

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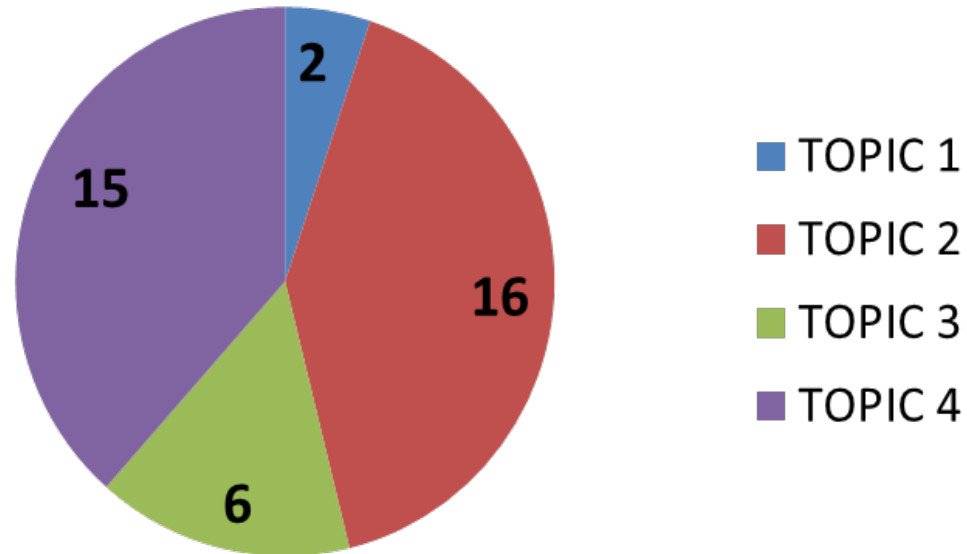
Third SIINN JTC 2014 - statistics

Third SIINN Joint Transnational Call 2014

	JTC 2014
4 Topics	<ol style="list-style-type: none"> 1. Exposure assessment 2. Toxicity mechanisms 3. Effects of MNMs on human health 4. Environmental impacts of MNMs
8 Countries / Regions	<p>Austria (BMVIT/FFG), Belgium – French speaking community (FNRS), Germany (BMBF), Portugal (FCT), Nord-Pas de Calais (RCNPC), Romania (UEFISCDI), Spain (MINECO), USA (NSF/CPSC/NIEHS)</p>
Total available national/regional funds	~6.3 million €

1. Third SIINN Call: present status

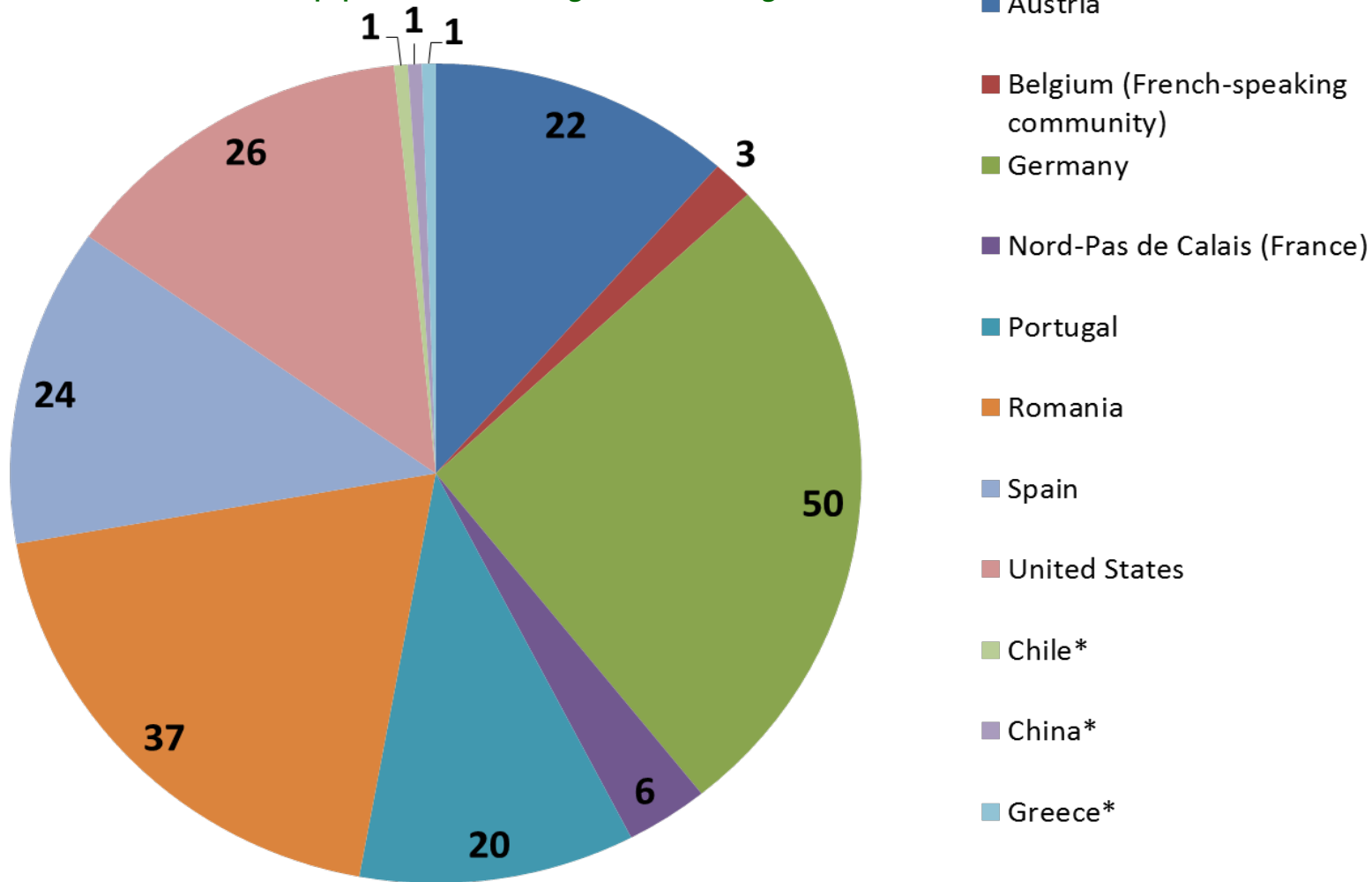
Number of proposals per topic



39 submitted proposals

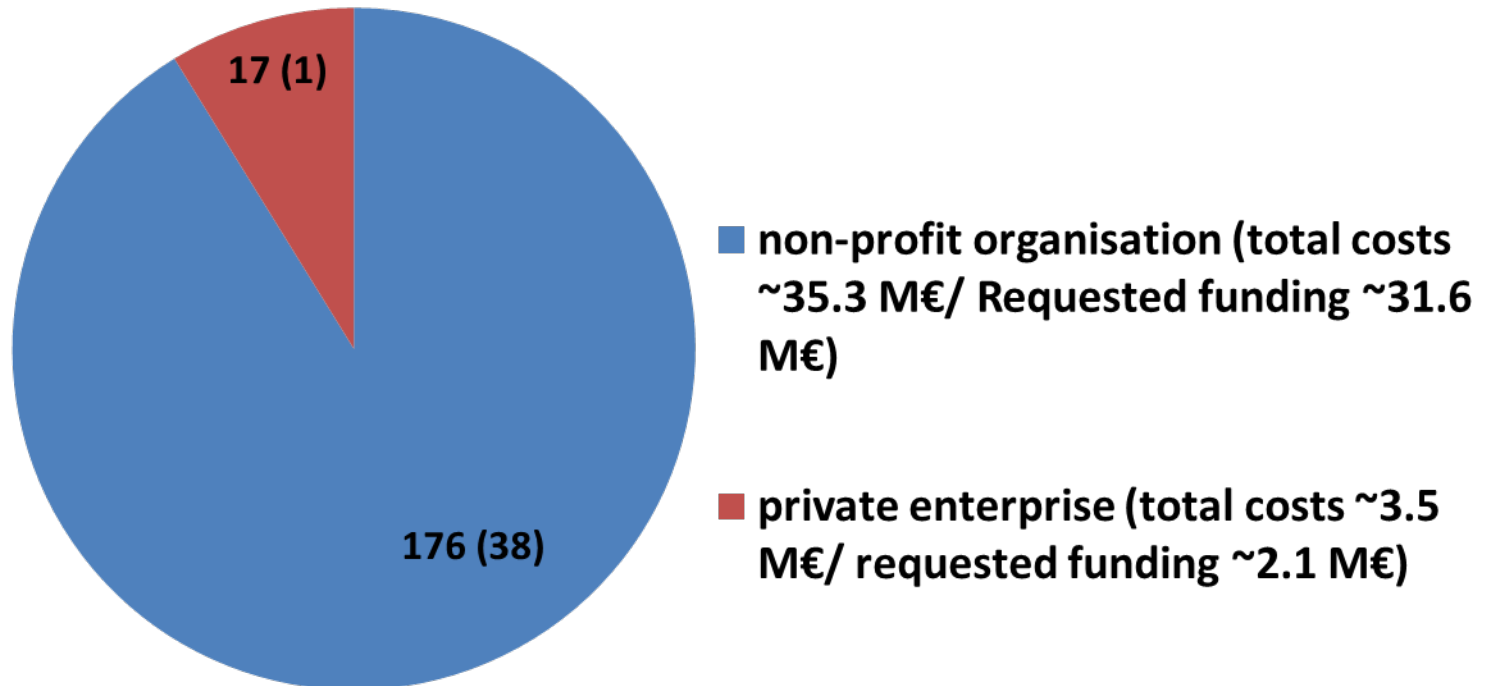
1. Third SIINN Call: present status

Distribution of 193 applicants by country



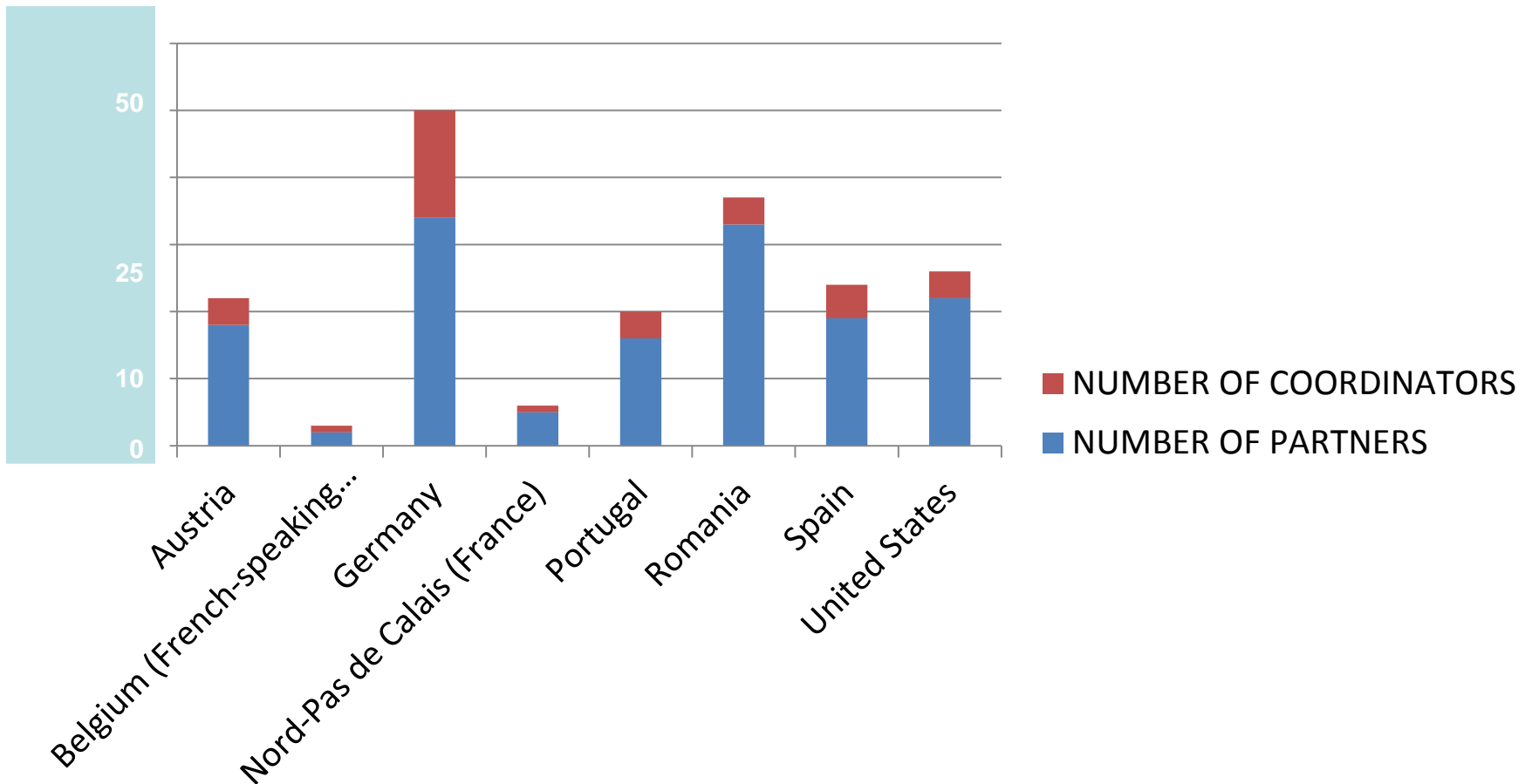
1. Third SIINN Call: present status

Number of applicants (coordinators) by type of organisation



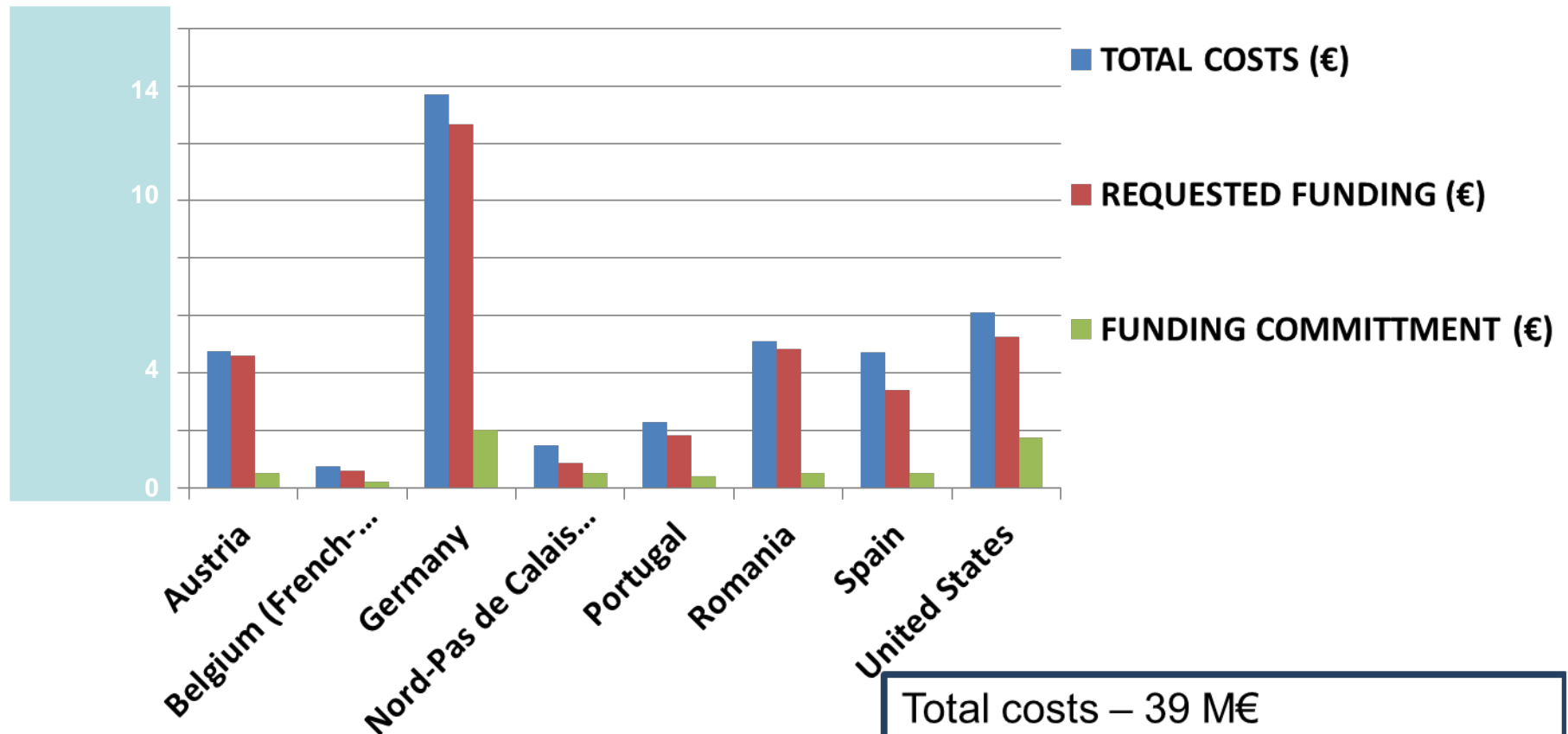
1. Third SIINN Call: present status

Number of partners & coordinators by country in the 39 proposals



1. Third SIINN Call: present status

Comparison between total costs & requested funding of 39 submitted proposals with funding commitment by country



Total costs – 39 M€
 Total requested funding – 34 M€
 Total funding commitment – 6.3 M€

Thank you for your attention!



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PROJECT MANAGEMENT
AGENCY FOR THE



Federal Ministry
of Education
and Research



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Home Affairs DHA

Federal Office of Public Health FOPH



Federal Ministry
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Innovation and Technology



energie atomique • energies alternatives



Technology Foundation STW



Fondúireacht Eolaíochta Éireann
Science Foundation Ireland



REGIONE DEL VENETO



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small technology
big applications



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AUSTRIAN INSTITUTE
OF TECHNOLOGY