

# Safe-by-design, which opportunities in the next NFFA pilot proposal?

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Workshop, Lund (Sw), 9<sup>th</sup> and 10<sup>th</sup> January 2020



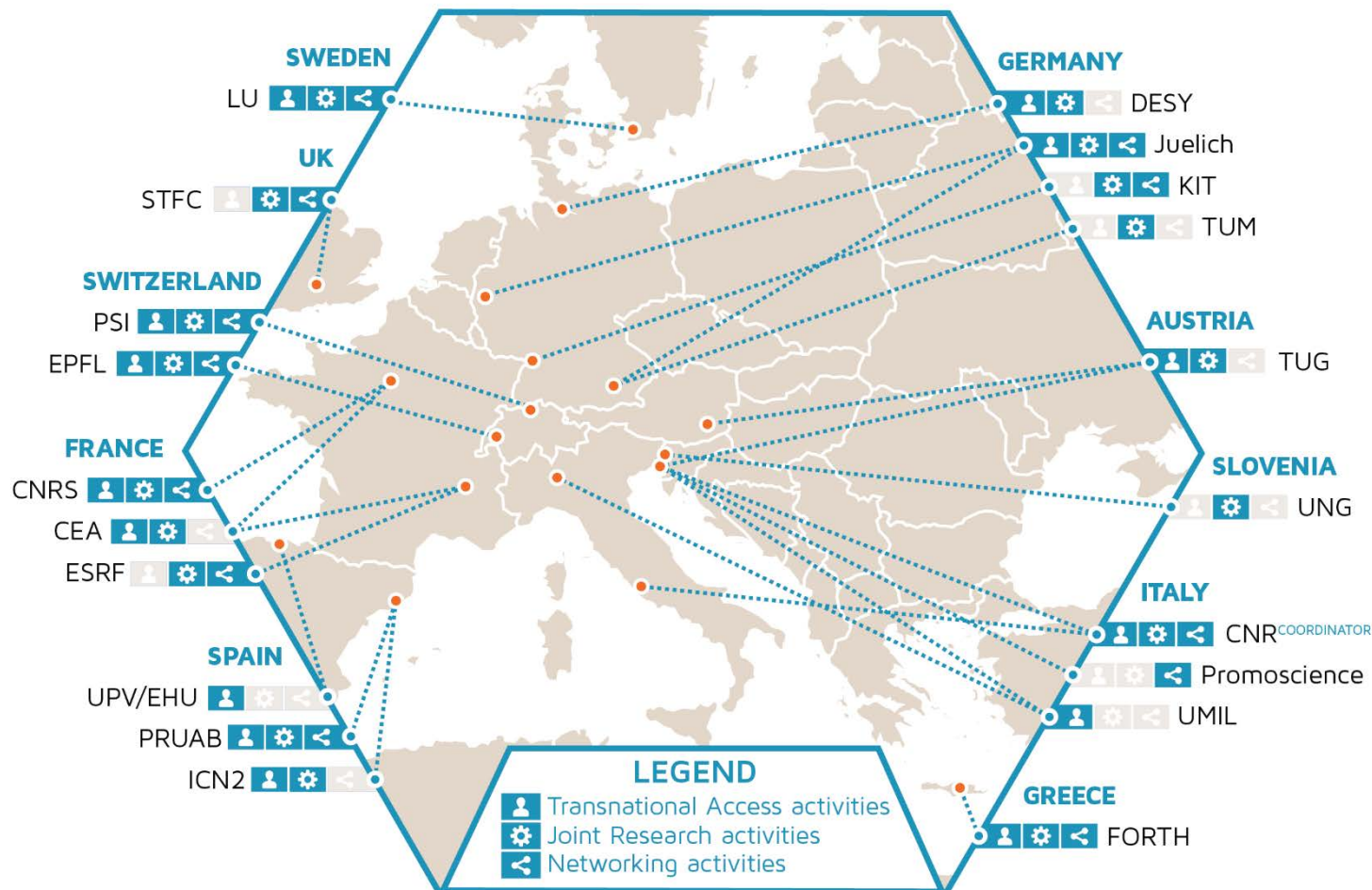
## Question

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**Safe-by-design,**  
which opportunities  
in the next **NFFA** pilot proposal?

# The NFFA-Europe consortium

20 partners leaders in nanoscience/nanotechnology of which  
10 nanofoundries co-located with Analytical Large Scale facilities





# At the beginning...

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**NFFA** # NanoFoundries and Fine Analysis

*INFRA IA from Horizon2020 European research programme*

↪ Project dedicated to the nanoscience and the nanotechnologies

On the mid-term report of NFFA a comment from the European Commission:

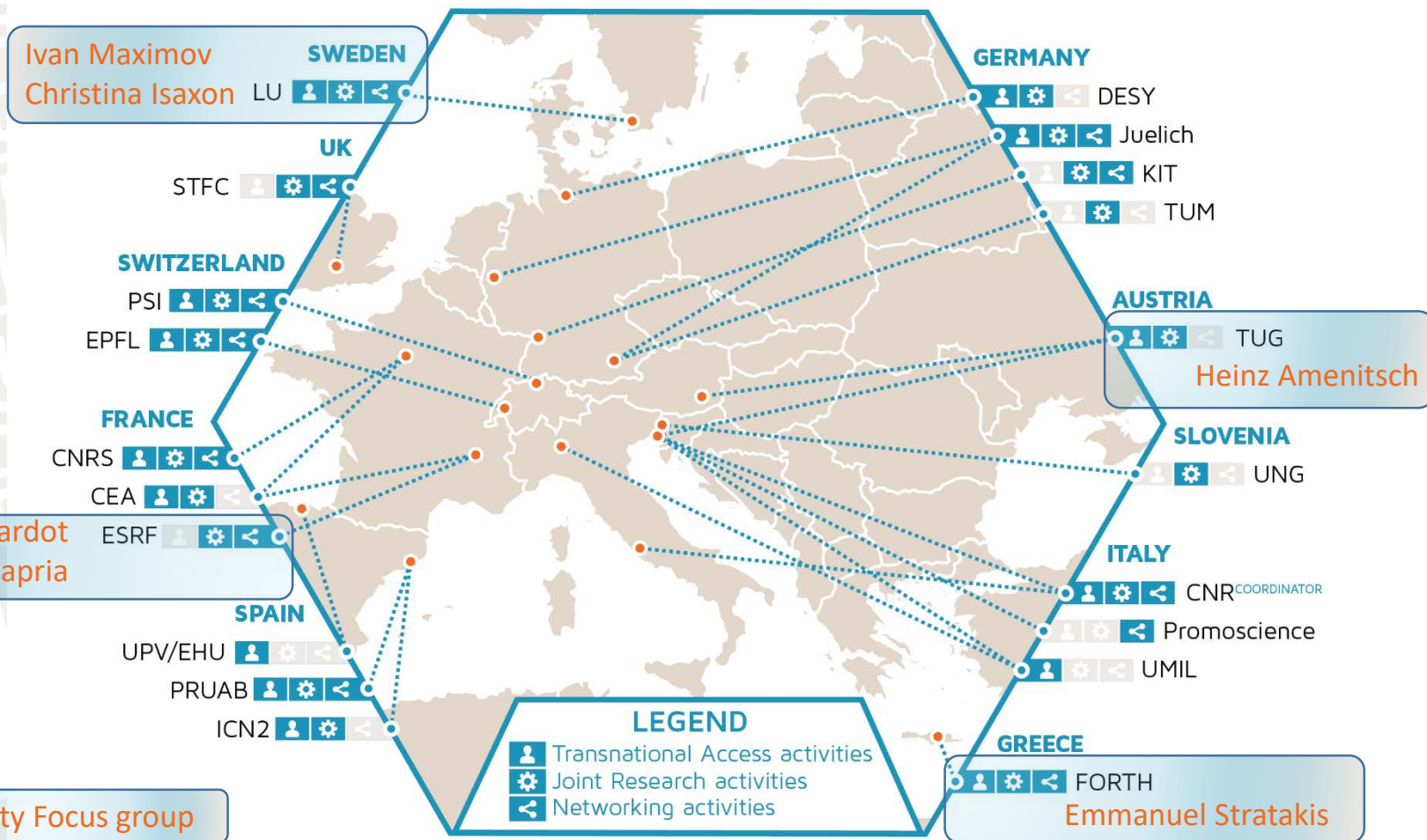
↪ NFFA should take more into consideration the nanosafety topics

# The Nanosafety Focus Group



Coordinated by CNR-IOM

20 partners leaders in nanoscience/nanotechnology of which 10 nanofoundries co-located with Analytical Large Scale facilities



nffa.eu

Nanosafety Focus group



# Finding a way to integrate more nanosafety into the project :

## 1. Establishing a state-of-the-art

↳ 6-month traineeship : Noor Nawaz

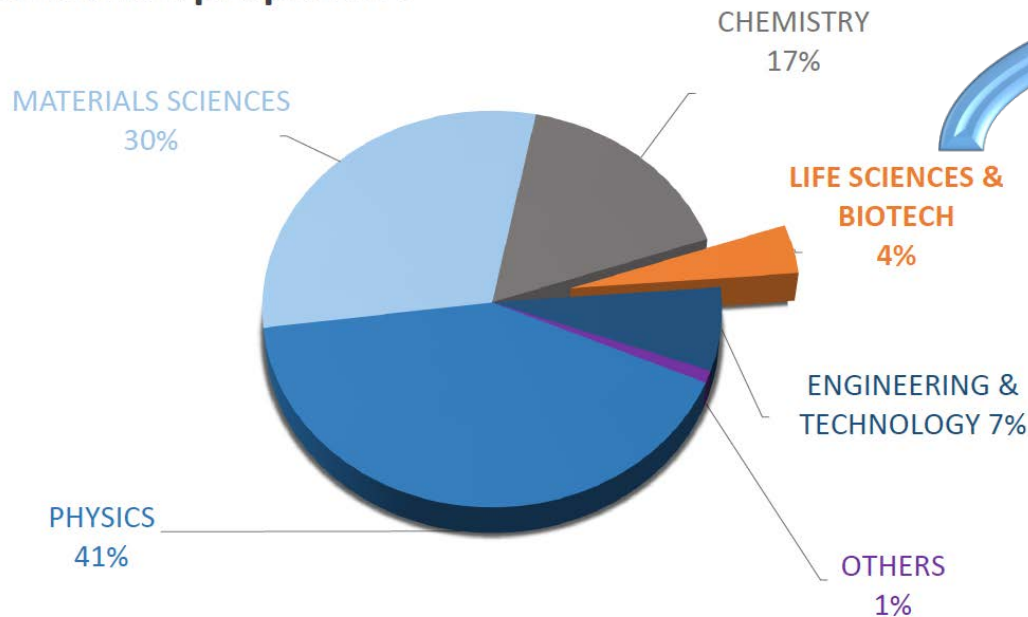
## 2. NFFA's offer and nanosafety issues :

↳ How much does it match ?

# Nanosafety and NFFA:

3.5 years old project  
424 proposals submitted, 64% accepted

## Distribution proposals :



1.4% #3 proposal related to **nanosafety**  
(see Poster of Ilaria Zanoni)

Outreaching actions, discussions,  
**Today's Workshop**

Adapted the  
NFFA-2 offer



# Event : NFFA/nanosafety workshop

(Lund, Sw)-9<sup>th</sup> and 10<sup>th</sup> January 2020

- Answering the question: Safe-by-design, which opportunities in the next NFFA pilot proposal?
- Constructive discussion to improve the NFFA pilot project in order to integrate more nanosafety topics.



# Welcome to you : "magicians" and "healer elves"

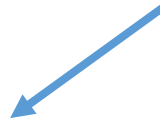


Image by mystic Art design from pixabay



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you have as main activities :



the development of  
processes and the  
characterization of  
the Nanomaterials



the interfaces and  
the interactions  
between life and  
the Nanomaterials

# Participants :



## BELGIUM

Jorge Meija-Mendoza  
Julien Colaux

## DANEMARK

Pete Kines

## ESTONIA

Protima Rauwel

Martin Fergusson

Ivan Maximov + Team  
Christina Isaxon + Team

## SWEDEN

LU   

## UK

Eva Valsami-Jones, U Birmingham

## SWITZERLAND

PSI     
EPFL   

## FRANCE

Simon Clavaguera, PNS  
Cécile Girardot  
Ennio Capria  
Hiram Castillo

CEA    
ESRF   

## SPAIN

Sergio Moya  
Luis Fonseca

ICN2  

## PORTUGAL

Dmitri Petrovykh

## DANEMARK

Pete Kines

## ESTONIA

Protima Rauwel

NFFA member  
Participants

## AUSTRIA

TUG     
Heinz Amenitsch

ITALY JRC, Pascal Colpo

CNR <sup>COORDINATOR</sup>     
Illaria Zanoni

Promoscience   

UMIL   

## LEGEND

-  Transnational Access activities
-  Joint Research activities
-  Networking activities

## GREECE

FORTH     
Emmanuel Stratakis



# Event : NFFA/nanosafety workshop (Lund)-9<sup>th</sup> and 10<sup>th</sup> January 2020

Content and schedule for the workshop :


## 1<sup>st</sup> day (9<sup>th</sup> January 2020):

- welcoming lunch
- Session 1: NFFA and the nanosafety: How can we create synergy between NFFA and the nanosafety community ?
- Session 2: Need and tools for the nanosafety community: discussion to improve the future TNA catalogue
- Lund NanoLab Tour

## Social dinner

## 2<sup>nd</sup> day (10<sup>th</sup> January 2020):

- 8:30-9:00 am : welcoming breakfast
- Session 3: Future Joint Activity: development of a “nanosafety” platform, description and discussion
- Session 4 : Follow-up of the results, working together for the data governance, nanosafety “prevention” for the NFFA users
- ending lunch



# Event : NFFA/nanosafety workshop (Lund)-9<sup>th</sup> and 10<sup>th</sup> January 2020

- 3 to 5 talks/session
- Followed by  $\frac{3}{4}$  hours of discussion  
=> the assembly will be divided in 2 groups



# Session 1: NFFA & nanosafety

- 1:30 PM Context of the project: **Cécile Girardot**
- 1:40 PM TNA access programme : **Luis Fonseca** (remotely)
- 1:55 PM The nanosafety cluster : **Eva Valsami-Jones** (remotely)
- 2:10 AM Biological fate of Engineered Nanomaterials: tracing aggregation/degradation and nanomaterial dose in vitro and in vivo: **Sergio Moya**
- 2:25 PM State of the art within NFFA: **Noor Nawaz**

2:40 PM How can we create synergy between NFFA and the nanosafety community?

3:20 PM

Coffee break



## Session 2: Tools for the nanosafety users

- 3:50 PM Nanosafety at Lund University : **Christina Isaxon**
- 4:05 PM Tools for the nanosafety users: The FORTH experience :  
**Emmanuel Stratakis**
- 4:20 PM Synthesis aerosol nanoparticles and nanowires :  
**Martin Fergusson**
- 4:35 PM IBA in SIAM: **Jorge Mejia & Julien Colaux**
- 4:50 PM Need and tools for the nanosafety  
community: How can we improve the future  
TNA catalogue?
- 5:40 PM Lund Nano-Lab: **Ivan Maximov**
- 6:00 PM Lund Nanolab tour
- 7:45 PM social dinner