



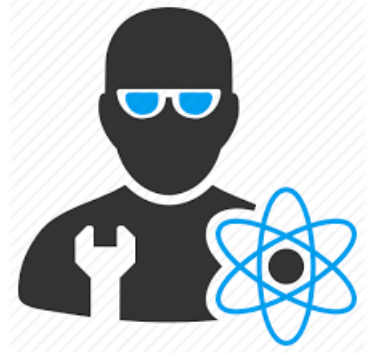
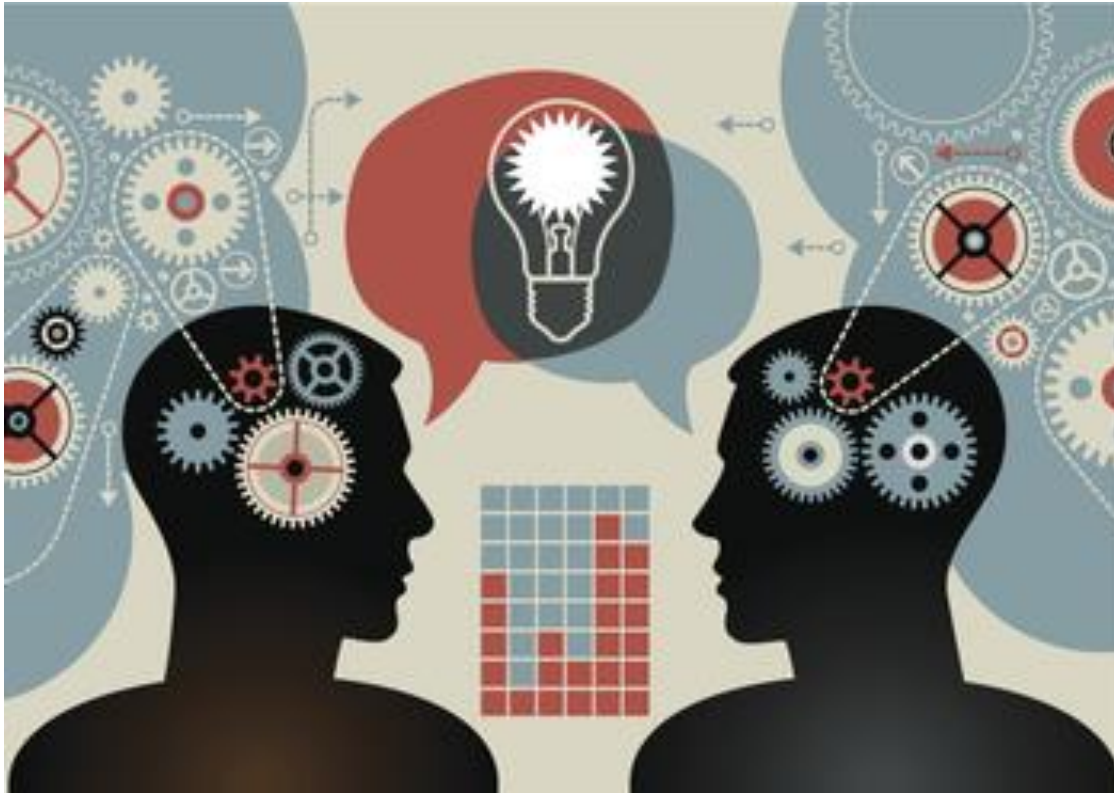
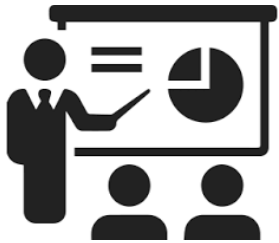
# The Future of Nuclear: Collaboration, Vision and Innovation – perspectives from the YGN

FISA, 4th June 2019

Nathan Paterson  
ENS YGN Chair

# What is the YGN?

## Knowledge Sharing Community





## 21 Member Societies



## Observer Partners



# Who are we and what we stand for!!

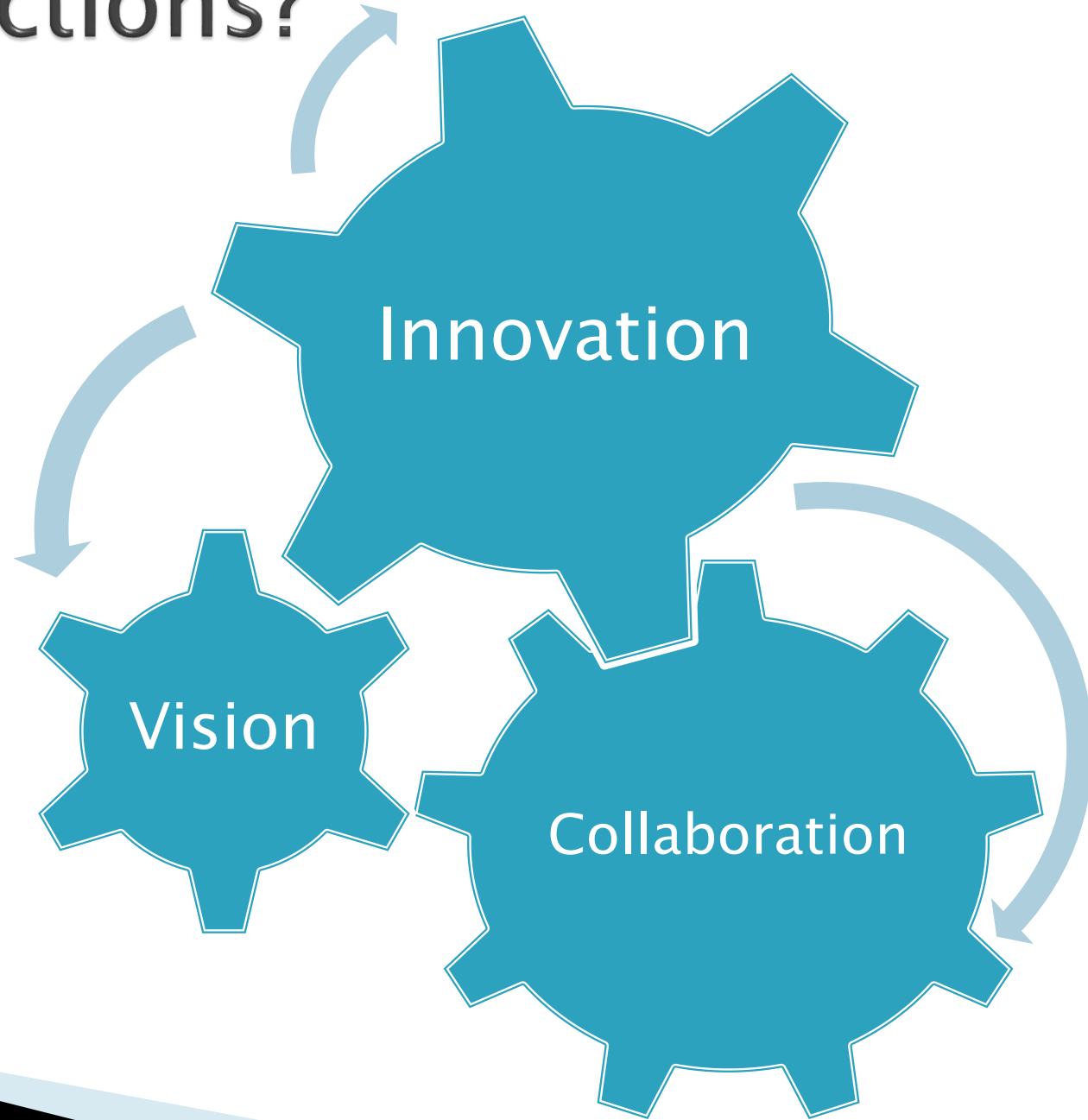
The global population is growing and the demand for **safe, clean and reliable electricity** is more important than it has ever been.

We must continue developing the global **nuclear industry** and strive for more **collaboration, innovative technologies** and **harmonization of best practices** to meet the needs of our future.

UN SDGs Extract



# Words or Actions?





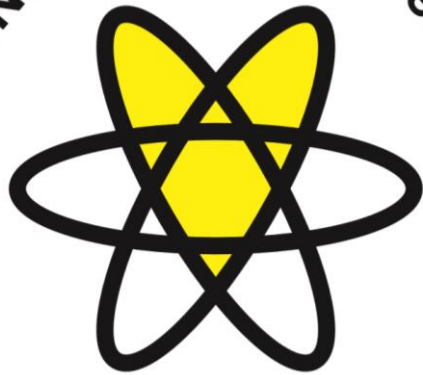
# Stepping out of the box



## Nuclear Power in a Clean Energy System



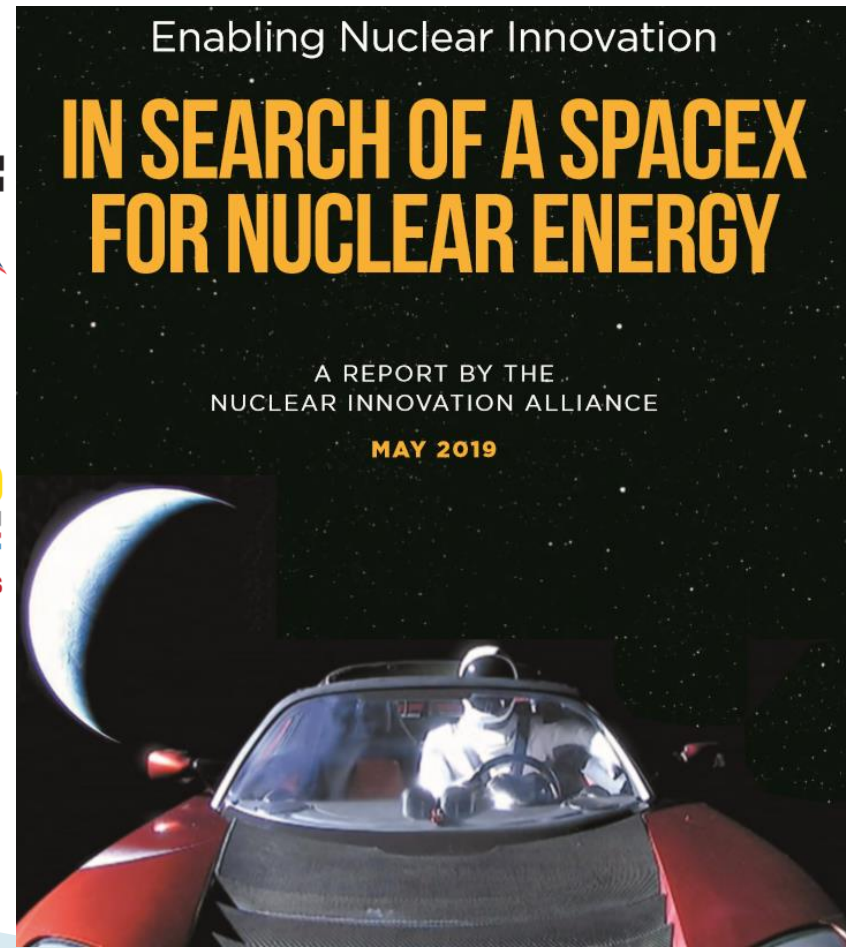
#NuclearClimateHero



ENYGF  
UK2017 



2019  
ENYGF  
BELGIUM & NETHERLANDS

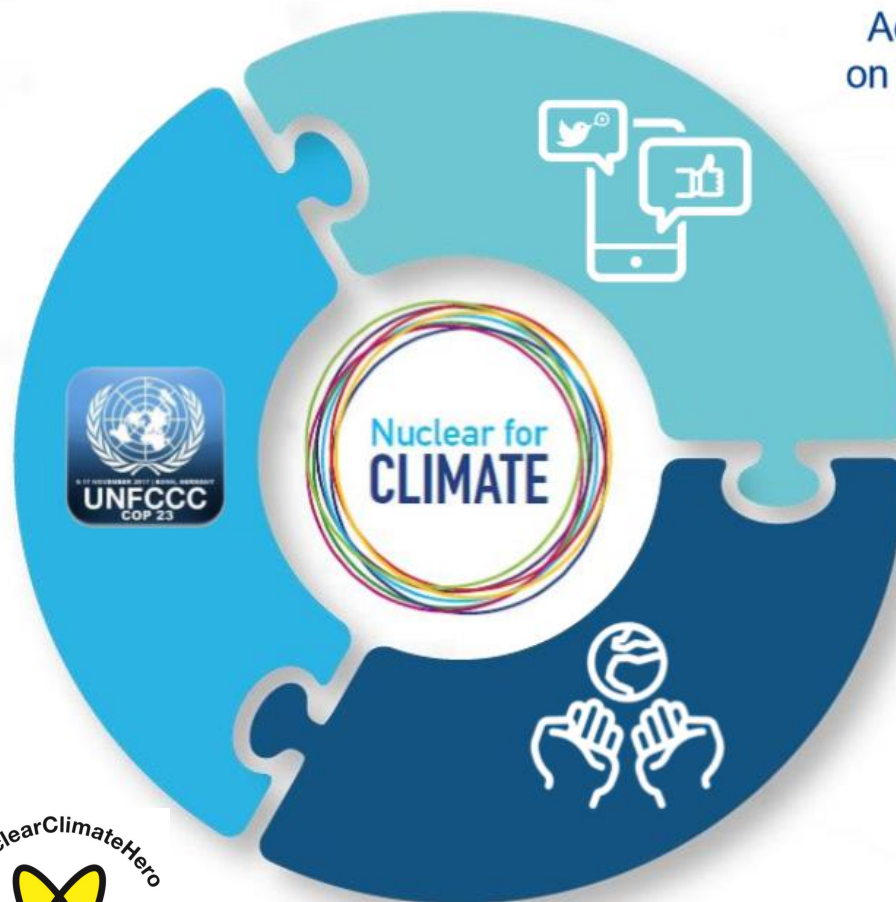
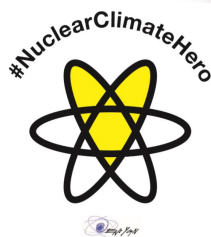
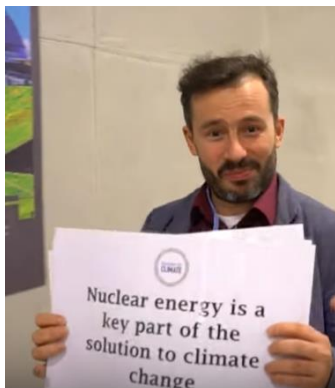




# Sharing knowledge between generations:



Presence at COP  
with N4C booth and side  
events as official UN  
registered delegation of  
around 40 persons



Active ongoing campaign  
on Twitter and Facebook –  
**Please follow us with  
#Nuclear4Climate**



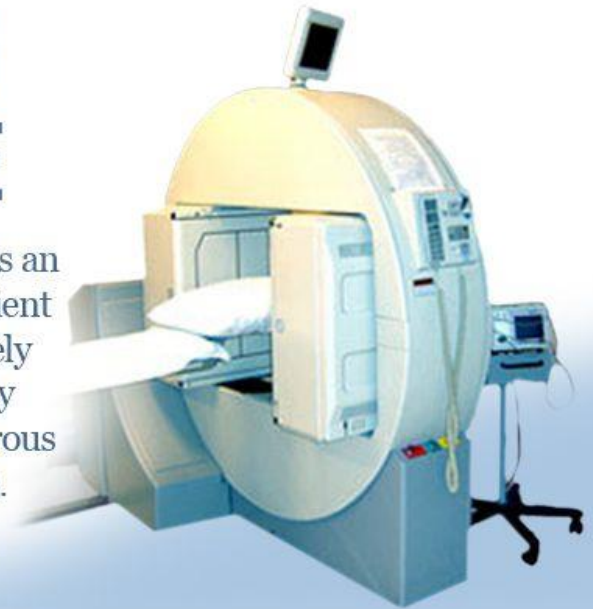


# Nuclear technologies for the benefit of society



## NUCLEAR MEDICINE

Nuclear Medicine is an integral part of patient care and is extremely valuable in the early diagnosis of numerous medical conditions.



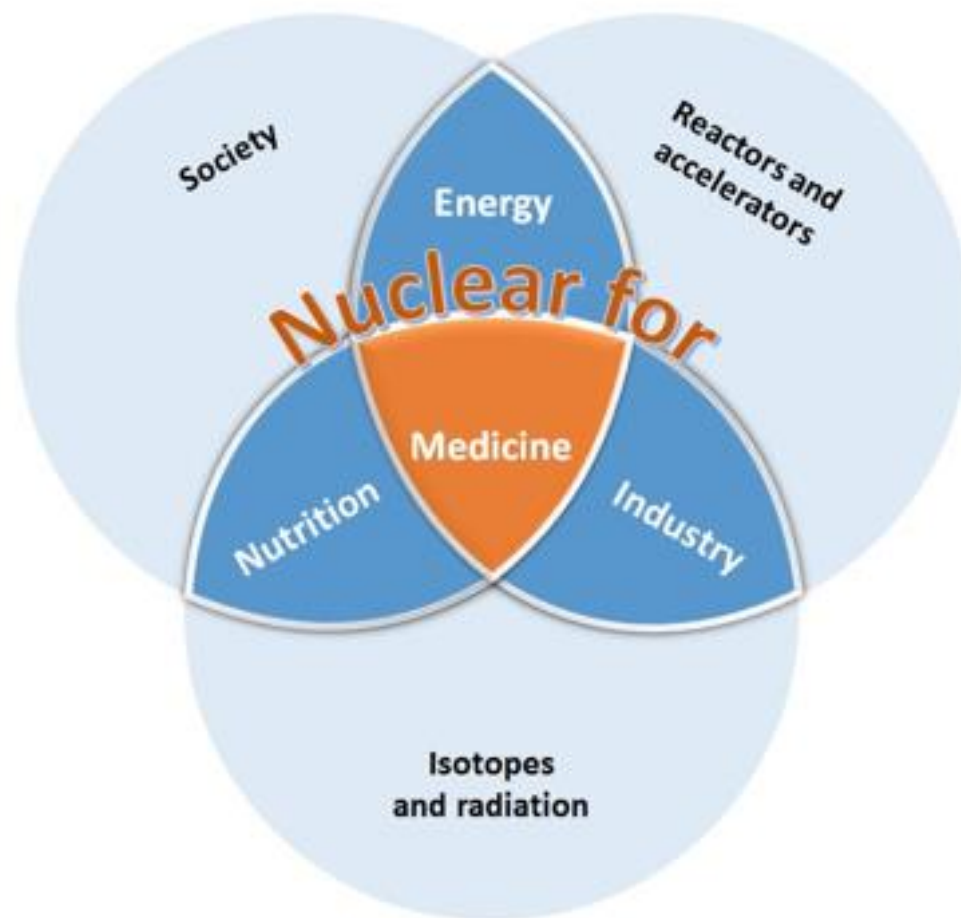
NUCLEAR  
is part of the  
SOLUTION

RELIABLE LOW CARBON COMPETITIVE

INNOVATION IS A STATE OF MIND



## Nuclear for Health



*From half-lives to better lives*

### Future Nuclear Technologies

Nuclear Policy,  
Economics and  
Social Aspects

Medical Applications,  
Accelerators & Sterilization  
Technologies

Safety, Security, Safeguards  
and Radiation Protection

Operations and Maintenance

Decommissioning and  
Waste Management

Communications,  
Education & YGN

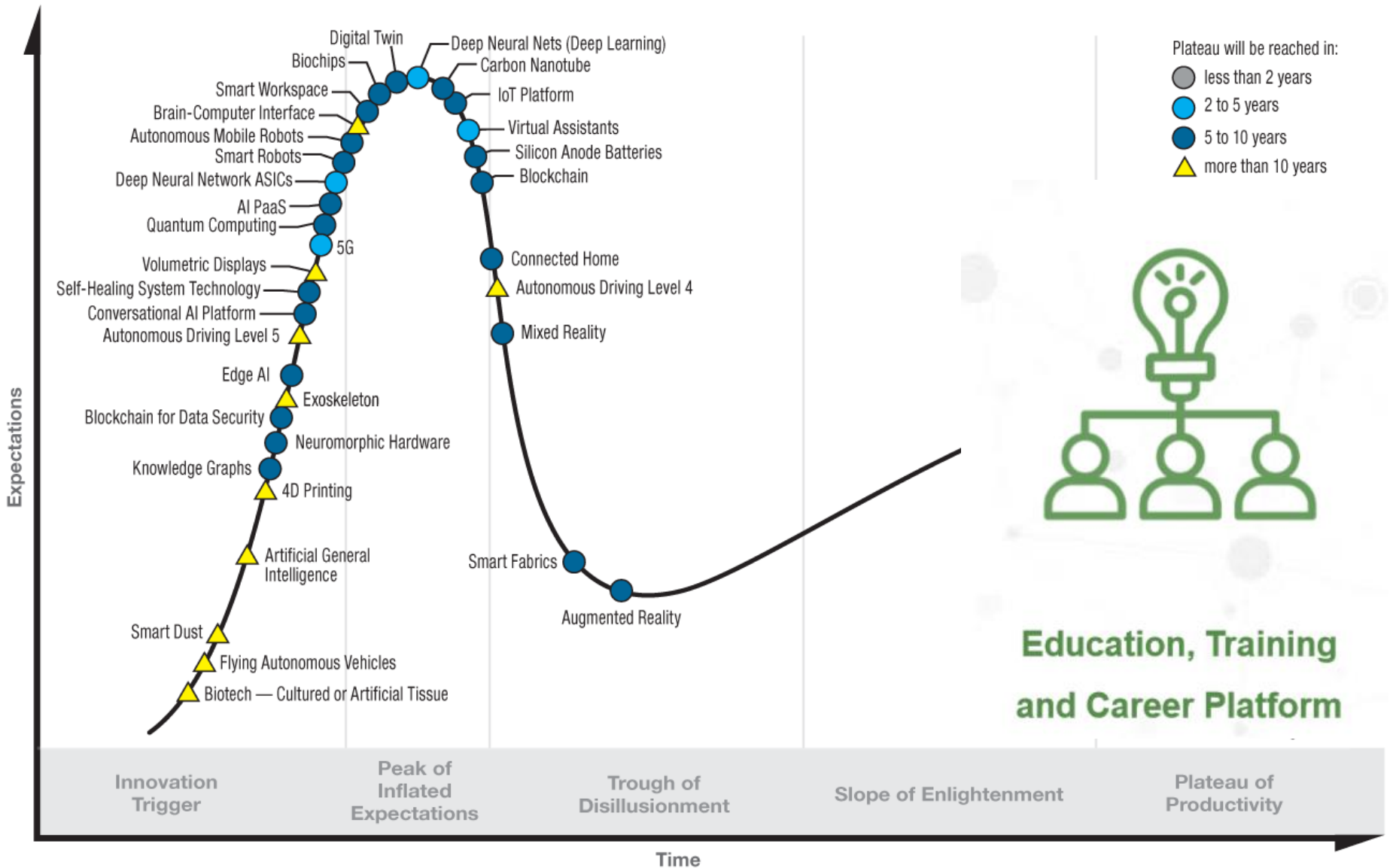
**LAST CHANCE TO APPLY  
FOR TECHNICAL PAPERS  
AND WORKSHOPS**

Deadline: March 8

2019  
**ENYGF**  
 BELGIUM & NETHERLANDS  
**23-27 JUNE GHENT**

[www.enygf.org](http://www.enygf.org) [info@enygf.org](mailto:info@enygf.org)

# Hype Cycle Technologies > Synergies with Nuclear R&D



## NUCLEAR SOCIETIES

**NETHERLANDS**   
Netherlands Nuclear Society


**SWITZERLAND**   
Swiss Nuclear Society

*[Signature]*



**POLAND**   
Polskie Towarzystwo Nukleoniczne

**TURKEY**   
Nuclear Engineers Society of Turkey



Cubicle End

ROMANIA 

**UKRAINE**   
Ukrainian Nuclear Society

H. Naby

**UNITED KINGDOM**   
Nuclear Institute

*Alma Rich*

**UNITED STATES OF AMERICA**   
American Nuclear Society

*James R. [Signature]*

**ENS**  
European Nuclear Society

*Alma Rich*

**ENS-YGN**  
ENS - Young Generation Network

N. B. ~~Butler~~

**INSC**  
International Nuclear Society Council

Fandon.

**IYNC**  
International Youth Nuclear Congress

An idea

**ARGENTINA**   
Asociación Argentina de Tecnología Nuclear

**CROATIA**   
Croatian Nuclear Society

**ITALIA**   
Associazione Italiana Nucleare

Dr. Patil

Ken Van

Miss

AUSTRALIA 

CZECH REPUBLIC JAPAN 

## DECLARATION FROM NUCLEAR SOCIETIES

MAY 13, 2019  
JUAN-LES-PINS, FRANCE



Canadian Nuclear Society

Indian Youth Nuclear Society

Sociedad Nuclear Mexicana

Sociedad Nuclear Española

**CHINA**   
Chinese Nuclear Society

ISRAEL   
Israel Nuclear Society

**MONGOLIA**   
Mongolian Nuclear Society

**SWEDEN**   
Swedish Nuclear Society

王素君

for

U. Enkhfuvshin

9 2



# Thank you for listening

[www.ensygn.org](http://www.ensygn.org)



[ens\\_ygn](https://twitter.com/ens_ygn)



[ENS-YGN group](https://www.linkedin.com/groups?trk=group_invite)



[ENS-YGN page](https://www.facebook.com/ensygn)

