

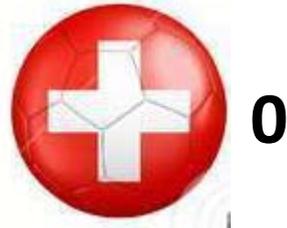
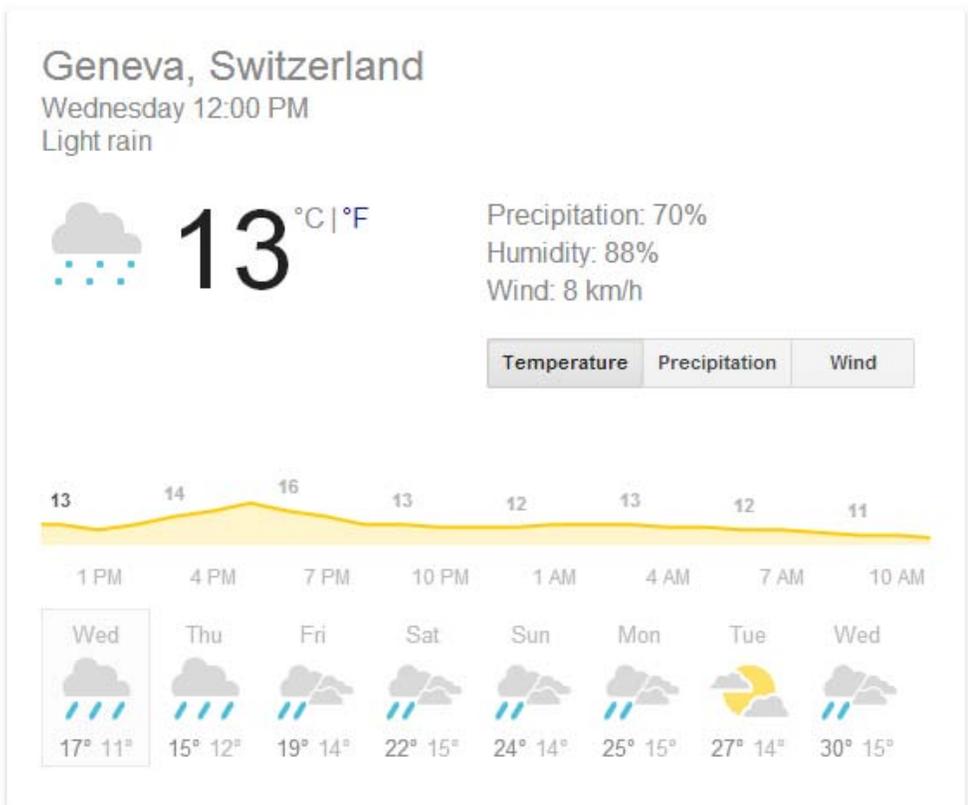
Welcome to the Efinion workshop

Sotirios V. Harissopoulos
Karl Johnston



EFINION: The European Forum for Innovative
Applications of Nuclear ION beams and tools





EFINIION: The European Forum for Innovative Applications of Nuclear ION beams and tools



EFINION is one of the six ENSAR networks (NA06) aiming at:

- **Compiling and coordinating existing and future applications of socio-economic impact stemming from ENSAR facilities and research groups**
- **Identifying application-oriented synergies within ENSAR groups as well as between ENSAR and interested companies all over Europe**
- **Creating self-contained links beyond ENSAR between researchers and end-users**
- **Disseminating multi-disciplinary application-oriented research to the scientific community, the public and, especially, the policy makers.**

Questionnaire

Questionnaire

+

WORKSHOP

- Website
- Brochure
- Exhibition

Some good news...

Bit of breathing space...

“communication day” still possible



EUROPEAN COMMISSION
DIRECTORATE-GENERAL FOR RESEARCH & INNOVATION

Directorate B - Innovation Union and European Research Area
The Acting Director

Brussels, 14 AVR. 2014

Ref. ARES (2014) 12345 - 21/07/2014

Ms. Véronique Vandevorde

GRAND ACCELERATEUR NATIONAL D'IONS
LOURDS

GANIL/Administraton service

Boulevard Henri Becquerel

CAEN 14076

FRANCE



REGISTERED WITH ACKNOWLEDGEMENT OF RECEIPT

Dear Ms. Vandevorde,

Subject: Amendment N° 2 to grant agreement N° INFRA-2010-1.1.32-262010

Project "European Nuclear Science and Applications Research" (ENSAR)

Your letter requesting amendment dated 03/03/2014 received by the Commission on 07/03/2014.

Reference: Your request and changes in EC details.

With reference to the above letter, this is to inform you that the *Commission* agrees to your request to modify the grant agreement as follows:

Modification of duration

The duration of the project specified in Article 3 of the *grant agreement* is modified as follows:

New duration: 52 months.

Change of Commission's name and addresses

The address specified in Article 8.1 of the grant agreement is modified as follows:

For the *Commission*: European Commission

Directorate-General For Research & Innovation

RTD/B/04

B-1049 Brussels, Belgium

The name of the responsible service specified in Article 8.4 of the grant agreement is modified as follows:

For the *Commission*: Head of Unit of RTD/B/04

Deliverable Number ⁶¹	Deliverable Title	Lead beneficiary number	Estimated indicative person-months	Nature ⁶²	Dissemination level ⁶³	Delivery date ⁶⁴
D6.1	Preliminary survey of past and present multidisciplinary and application-oriented research within EN	16	2.00	R	PU	12
D6.2	Report on the Workshop on "ENSAR applications - oriented research"	16	6.00	R	PU	36
D6.3	"Catalogue of multidisciplinary applications-oriented research activities of ENSAR"	16	5.00	R	PU	36
D6.4	"Synergies and collaboration opportunities in applications-oriented research with and within ENSAR".	16	6.00	R	PU	36
D6.5	The EFINION's website	16	5.01	O	PU	6
D6.6	"Nuclear scientists and policy makers communicate"	16	6.00	R	PU	48
		Total	30.01			

OK

To be discussed

“Flavour of content...”



FINAL REPORT OF THE IOC COORDINATION COMMISSION

GAMES OF THE XXX OLYMPIAD, LONDON 2012





This vision – to use the power of the Games to inspire lasting change – went far beyond simply hosting a memorable 17-day event: it aimed to capture the imagination of young people, while also creating physical, sporting and social legacies.

This compelling vision for the London 2012 Olympic Games provided a clear direction for the Organising Committee, guiding its decisions and inspiring its stakeholders throughout the planning and preparation phase.

London’s vision also helped the Organising Committee to create its Games masterplan, which shaped the image of the Games and provided the foundations for its various achievements and innovations, which included delivering a unique Games-time experience for all key client groups, including athletes and spectators.

LOCOG also successfully and consistently repeated key messages in a very disciplined and coordinated way, using every member of its organisation, every possible ambassador and every programme or activity deployed by the organisers. It communicated its Games vision to all key stakeholders, including the public and the media, which was crucial to spreading the message of the Games to young people around the world.

By consistently delivering against its vision throughout the planning phase, LOCOG was able to successfully deliver during the Games themselves and also looks set to realise its legacy ambitions.



Sebastian Coe, Chairman, London 2012 Bid Limited.



London 2012 – Delivering on a vision video

Digital Edition: Content can be embedded...

Status of brochure

Meeting held at CERN 20th Feb 20214:

Overview of received information

Presentation and overview of similar projects from DidweDo agency (Lausanne)

Schedule laid out....

Late April: first draft ready → under preparation → may slip by a week...

Mid-May 12th: second draft ready (?)

June 16th: print-ready version

- Status of information has noticeably improved! Success stories to be finalised....
 - Still no feedback from LNL (last of TNA labs to supply info....)

What will it contain? Focus on SUCCESS STORIES

Brochure structure:

- Editorials of ENSAR coordinator and GA chair – 1 page (videos on the digital edition)
- What is ENSAR – 1 page
- ENSAR response to Society + top success story – 2 pages
- Map with facilities/beneficiaries (similar of NuPECC brochure) - 1 page
- Table/Map with labs vs. application fields – 1 page
- TNA facilities: success stories – 7x4=28 pages
- JRA & NA – 4 pages
- Interviews with “end-users” – 2 pages
- Forward look and future plans – 2 pages

Main structure and content sections (option B – recommended)

according to 21/02/2014 CERN meeting

INFORMATION: The interior number of pages of a publication (excluding the 4 cover pages, here in yellow) must be a multiple of 4.

- Cover
- Introduction
- ENSAR + Benefits of the project
- Partners description
- Conclusion
- > the document must finish on one of these pages

BACK COVER	FRONT COVER	inside FRONT COVER	table of contents 1	editorial 2	ENSAR + GA chair 3	What is ENSAR? 4	ENSAR map 5	Added Value of the project 6	Success Stories by field 7	Success Stories by field 8	Success Stories by field 9	TNA 01 GANIL (F) 10	TNA 01 GANIL (F) 11
TNA 01 GANIL (F) 12	TNA 01 GANIL (F) 13	TNA 02 GSI (D) 14	TNA 02 GSI (D) 15	TNA 02 GSI (D) 16	TNA 02 GSI (D) 17	TNA 03 LNL (I) 18	TNA 03 LNL (I) 19	TNA 03 LNL (I) 20	TNA 03 LNL (I) 21	TNA 04 JYU-JYFL (FI) 22	TNA 04 JYU-JYFL (FI) 23	TNA 04 JYU-JYFL (FI) 24	TNA 04 JYU-JYFL (FI) 25
TNA 05 RUG-KVI (NL) 26	TNA 05 RUG-KVI (NL) 27	TNA 05 RUG-KVI (NL) 28	TNA 05 RUG-KVI (NL) 29	TNA 06 CERN-ISOLDE (CH) 30	TNA 06 CERN-ISOLDE (CH) 31	TNA 06 CERN-ISOLDE (CH) 32	TNA 06 CERN-ISOLDE (CH) 33	TNA 07 CNRS-ALTO (F) 34	TNA 07 CNRS-ALTO (F) 35	TNA 07 CNRS-ALTO (F) 36	TNA 07 CNRS-ALTO (F) 37	TNA 08 LNS (I) 38	TNA 08 LNS (I) 39
TNA 08 LNS (I) 40	TNA 08 LNS (I) 41	JRA (7 Joint Research Activities) 42	JRA (7 Joint Research Activities) 43	NA (6 Network Activities) 44	NA (6 Network Activities) 45	Interviews with End users 46	Interviews with End users 47	After ENSAR 48	inside BACK COVER 49	50	51	52	53

ISOLDE^{CH}

Isotope Separation Online DEvice (ISOLDE) Is CERN's longest running experiment



ISOLDE is a nuclear physics facility which is capable of producing 1000 radioactive ions from 70 elements: the largest selection available worldwide. Although the core scientific programme at ISOLDE is nuclear physics, the sheer variety of isotopes allows for an active programme in other fields, including astrophysics, solid state physics, medicine and biology.

Solid state physics at ISOLDE brings together materials scientists from all over the world who wish to avail of the unique experiments that are possible using radioactive ions. In particular, local information on the atomic scale is possible which allows for insights unavailable elsewhere. Biochemistry on the role of heavy metals in proteins is also pursued along with an innovative approach to understanding the function of metals such as Cu and Zn in biological systems.

FACT AND FIGURES

FACILITIES ?

Andunt eos sum in naterperum
Modicit nonecturum modit re nonenima
Accua ea nihilberum eumque excerum

LABS ?

Andunt eos sum in naterperum
Modicit nonecturum modit re nonenima
Accua ea nihilberum eumque excerum

APPLICATIONS ?

Andunt eos sum in naterperum
Modicit nonecturum modit re nonenima
Accua ea nihilberum eumque excerum
Andunt eos sum in naterperum
Modicit nonecturum modit re nonenima
Accua ea nihilberum eumque excerum

Good quality images...

...



Lasers at the ISOLDE facility produce a clean source of Tb for cancer medical experiments.

TB ISOTOPES IN MEDICINE

Innovative ways of detecting and treating cancer

Researchers at ISOLDE are using its unique ability to produce radioactive ions to search for new and innovative ways of detecting and treating cancer. Because of the variety of isotopes it can produce, ISOLDE is able to go beyond the facilities that hospitals presently offer, and explore isotopes which may – in the future – be considerably more efficient in the treatment and detection of cancer, such as Terbium (Tb).

What is so great about terbium?
Terbium (Tb) is the only element in Mendeleev's table offering not only a matched pair but even four clinically interesting radioisotopes with complementary nuclear decay characteristics covering all nuclear medicine modalities: terbium-152 for PET, terbium-155 for SPECT, terbium-149 for β^- therapy and terbium-161 for therapy with electrons (β^- , conversion and Auger electrons).

Terbium can serve as the "Swiss Army knife of Nuclear Medicine"

Thus, terbium can serve as the "Swiss Army knife of Nuclear Medicine", for fundamental studies of new radiopharmaceuticals, and for detailed comparisons of targeted therapy options.

So-called "matched pairs" of a diagnostic and a therapeutic isotope of the same chemical element are particularly valuable since their identical chemical properties assure identical in vivo behaviour, enabling a precise determination and optimization of the radiation dose given to the tumour prior and during treatment. This opens the way for "theranostics", where patients are first given a diagnostic isotope, then, based on the measured patient-specific uptake of the radiopharmaceutical, the optimum therapy option is selected and applied. This type of personalized medicine assures best possible efficacy and minimum side effects since the therapy is tailored to the patient's needs.

EFINION WORKSHOP

July 9 – 11 in Greece....location being found

Focus on the intercession possibilities among EFINION

Exhibition Alternative?

(or later if ENSAR prolonged....)