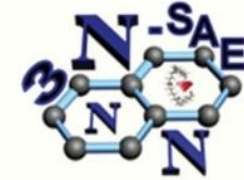




UNIVERSITY OF
BUCHAREST
— VIRTUTE ET SAPIENTIA



RESEARCH CENTRE: 3NANO-SAE, NANOSCIENCES – ALTERNATIVE ENERGY SOURCES
PHYSICS

Excelența, Impactul și Implementarea unui proiect Marie Skłodowska-Curie

Serban N. STAMATIN

Cuprins

- Introducere
- Motivație sau de ce să aplic?
- Structura aplicației

Cuprins

- Introducere
- Motivație sau de ce să aplic?
- Structura aplicației

Profilul meu și al proiectului

Titlu: *Carbon based Artificial Leaf for SOLar fuel production (CALSOL)*

MSCA-IF-EF-ST-2017

Panel: CHEmistry

Deadline: 14.09.2017 - 3 ani de la doctorat

Unde: Facultatea de Fizică, Universitatea din București

Domeniu: de la electrocatalizatori la fotoelectrocatalizatori

Profilul meu și al proiectului

- licența și master – UNIBUC;
- doctorat – SDU, Danemarca;
- stagii:

Aalto University, Finlanda

Max Planck Institute, Germania

- post-doc:

Trinity College Dublin, Irlanda

Institutul Heyrovsky, Cehia

- MSCA fellow – UNIBUC

aplicat
aplicat



Marie Skłodowska-Curie Actions



ITN Innovative Training Networks

What does it offer?

High-quality research training delivered through international and interdisciplinary networks, industrial doctorates or joint doctorates

Who applies?

International networks of research organisations from the academic and non-academic sectors

Who is funded?

Researchers at doctoral level (less than four years of full-time research experience and no doctoral degree)



IF Individual Fellowships

What does it offer?

Opportunities to work on personal research projects by moving between countries and possibly sectors to acquire new skills

Who applies?

Individual researchers together with the host organisation

Who is funded?

Postdoctoral researchers



RISE Research and Innovation Staff Exchange

What does it offer?

The exchange of staff members involved in research and innovation to develop sustainable collaborative projects and the transfer of knowledge

Who applies?

International networks of research organisations from the academic and non-academic sectors

Who is funded?

Researchers, technical, administrative and managerial staff of any nationality and at all career levels



COFUND Co-Funding of Regional, National and International Programmes

What does it offer?

Regional, national or international programmes to foster excellence in researchers' training, mobility and career development

Who applies?

Organisations funding or managing doctoral programmes or fellowship programmes

Who is funded?

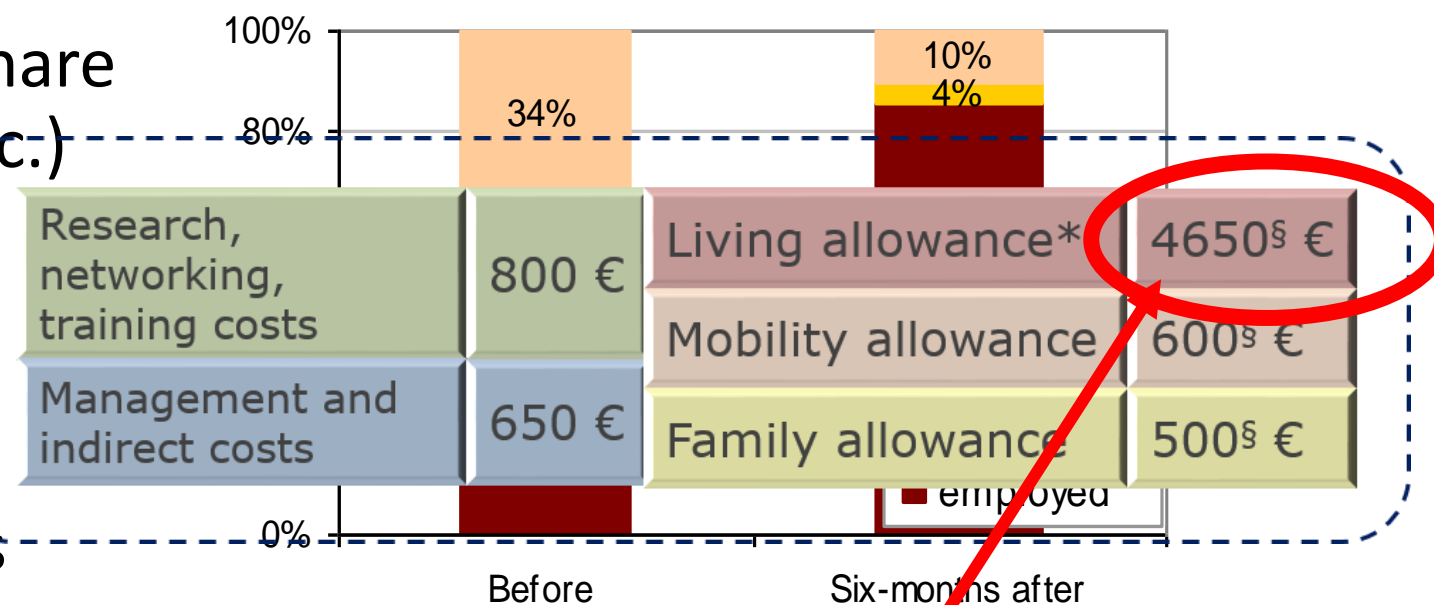
Researchers at doctoral and postdoctoral level

Cuprins

- Introducere
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Motivație

- bursă renumită
- buget dedicat pentru diseminare (conferințe, workshop-uri, etc.)
- promovează mobilitatea
- dezvoltarea de noi aptitudini (școli de vară, cursuri de scris proiecte, vizite de lucru, etc.)



Marie Curie researchers and their long-term career development: a comparative study (2014)

CCC pentru România – 68.4% vs. 135.3% pentru Danemarca

Cuprins

- Introducere
- Motivație sau de ce să aplic?
- Structura aplicației

Structura aplicației

- Summary
- Excellence
- Impact
- Implementation
- CV of the experienced researcher
- Ethical aspects
- Letters of commitment of partner organisations

Cuprins

- Introducere
- Motivație sau de ce să aplic?
- Structura aplicației:
 - Excellence
 - Impact
 - Implementation

Excellence

- **Quality, innovative aspects and credibility of the research**
 - ✓ *state-of-the-art, objective SMART (specific, measurable, achievable, realistic, time)*
 - ✓ *gradul de noutate: de ce tema are importanță acum și de ce Europa este interesată (directive europene, economie circulară)*
 - ✓ *credibilitatea planului (rezultate preliminare sau legături cu proiecte anterioare)*

Excellence

- **Clarity and quality of transfer of knowledge/training**
 - ✓ *dezvoltarea de noi aptitudini (soft and hard skills)*
 - ✓ *transferul de cunoaștere trebuie să fie și de la cercetător la instituție*
 - ✓ *cursuri de specializare în IPR, project management*

Excellence

- **Quality of the supervision and the hosting arrangements**
 - ✓ experiența instituției gazdă și a colectivului
 - ✓ cum se face acces la infrastructura necesară derulării proiectului?

Excellence

- **Capacity of the researcher to reach a position of professional maturity in research**
 - ✓ onest dar **nu** modest
 - ✓ Journal Citation Reports – Quartiles
 - ✓ citări vs. nr. de ani de experiență
 - ✓ independență și leadership

Excellence – evaluări 4.2/5 (50%)

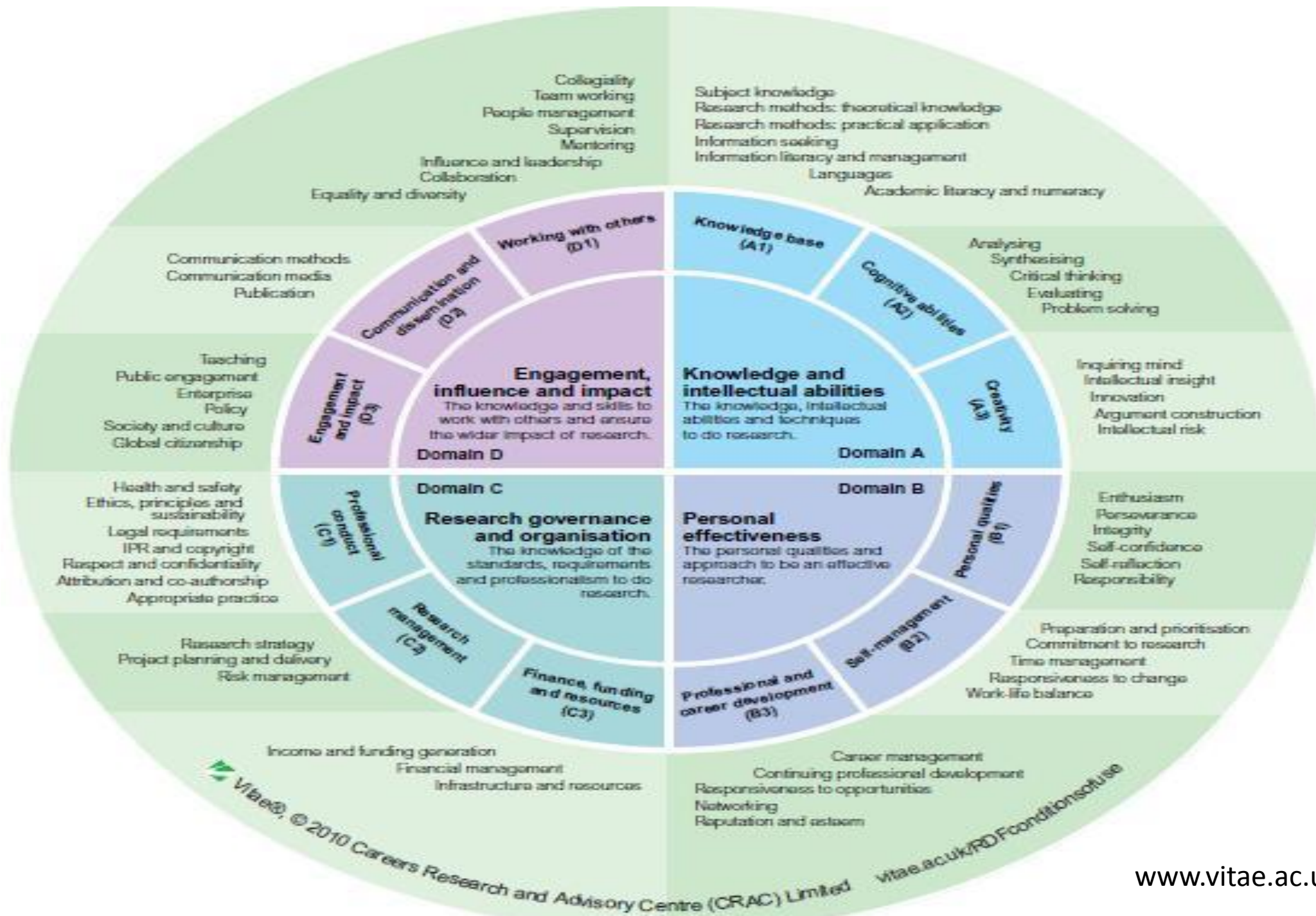
- *Pt nanoparticle synthesis is insufficiently described and it is not clear how the Pt catalyst can then be improved by understanding its interaction with N-containing groups.*
- *The characterization of Pt coupling with the support is weakened by the absence of proposed high level HRTEM.*
- *Figures are deficiently presented due to their small size. For instance, the label of Figure 1 is hardly legible.*
- *The commitment of Gammadata in Sweden to the project is not clearly shown.*
- *The first and very important step of the project involves computational studies and atomic scale modeling, a subject in which the researcher has to acquire experience. However, it is not clear from the proposal how, and in which time-frame the acquisition of this knowledge is planned. Related scientific courses relevant for the project are not sufficiently detailed.*

Cuprins

- Introducere
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 - Implementation

Impact

- **Enhancing research-related human resources, skills, and working conditions to realise the potential of individuals and to provide new career perspectives**
- ✓ impactul la nivelul cercetătorului/instituției (care este planul pentru următorii cinci ani și de ce este benefică această bursă)
- ✓ impactul regional și European (formarea de noi echipe de cercetare)

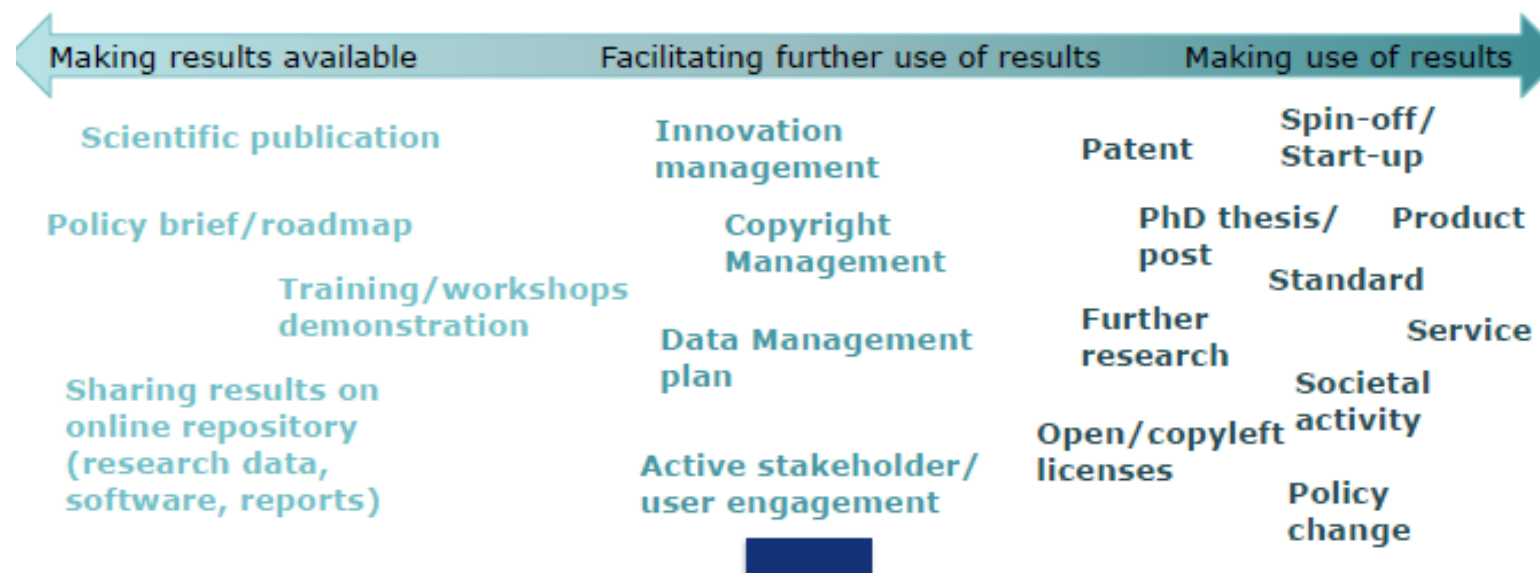


Impact

- Quality c
action re

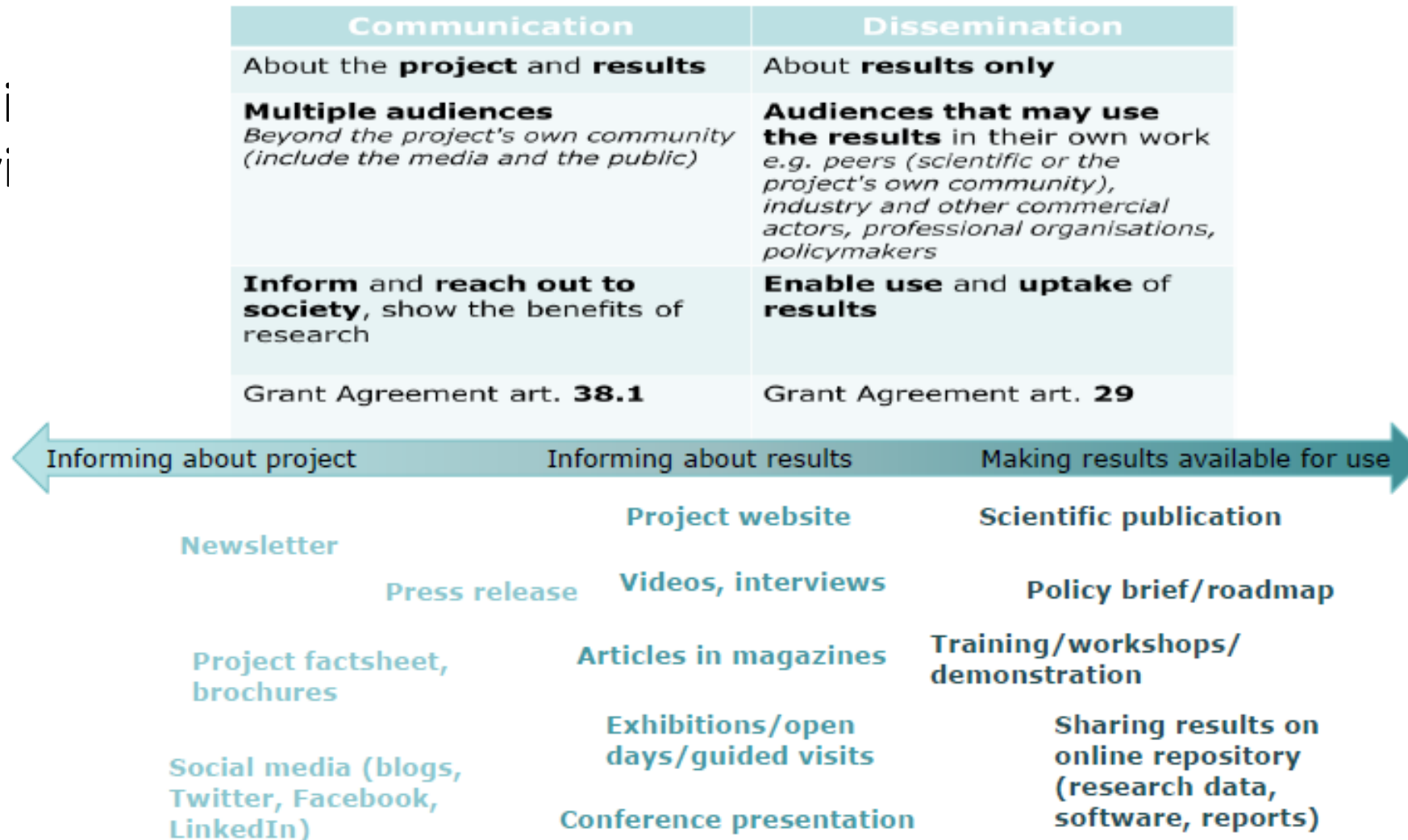
e the

| Dissemination | Exploitation |
|--|---|
| Describing and making available results so that they can be used | Making use of results , for scientific, societal or economic purposes |
| Audiences that may make use of results | Groups and entities that are making concrete use of results |
| All results which are not restricted due to the protection of intellectual property, security rules or legitimate interests | All results generated during project Participant shall make best efforts to exploit the results it owns, or to have them exploited by another legal entity |
| Grant Agreement Art. 29 | Grant Agreement art. 28 |



Impact

- Quali
activi



Impact – evaluate 4.1/5 (30%)

- *Details regarding future plans after this project are not sufficiently specified. It remains unclear from the proposal where (which country, institute) the candidate is expected to evolve to a future independent academic position.*
- *Acquisition of skills related to supervision of students is not adequately considered.*
- *A broader scientific and personal development of the applicant, not only related to the specific project, is not explained in enough detail.*

Cuprins

- Introducere
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Implementation

- **Coherence and effectiveness of the work plan**
 - ✓ structura implementării (work package-uri, livrabile și milestone-uri);
 - ✓ diagrama Gantt



Implementation

- **Appropriateness of the management structure and procedures**
 - câte persoană-lună sunt alocate WP și de ce?
- **Appropriateness of the management structure and procedures, including risk management**
 - riscuri asociate cu management și cercetare
- **Appropriateness of the institutional environment (infrastructure)**
 - capacitatea instituției gazdă de a derula un proiect MSCA

Implementation – Evaluare 3.5/5 (20%)

- *The Gantt Chart is not sufficiently detailed lacking relevant information on the project implementation. Although presented in the Gantt Chart, deliverables are not discussed in sufficient detail and are not appropriately quantified.*
- *The work plan for the secondment is not sufficiently explained or timely planned. The work plan is not coherent : it is not clearly justified why the execution of the synthesis of nano-oxides occurs before computational screening of dopants. There is a lack of consistency between the work plan and project's structure.*
- *The amount of planned work is too high for the time available to the project.*

Cuprins

- Introducere
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 - Implementation

Unelte

- National contact points
- talkacademia.com
- MSCA blogspot

Vă mulțumesc pentru atenție!