EU funding opportunities for US researchers

Dr. Olaf Heilmayer, Nina Schüle
2016-08, NCURA
BILAT USA 4.0 – some facts

**Full project title** - Bilateral Coordination for the Enhancement and Development of S&T Partnerships between the European Union and the United States of America

- **Start Date:** 1 February 2016
- **Duration:** 3 years
- **Total budget:** 1.95 Mio. €
- **Coordinated by:** German Aerospace Center (DLR), Project Management Agency at DLR, European & International Cooperation Unit
- **Co-Coordination:** NCURA, USA
- **Dual Approach:** contribution to policy dialogue between the EU and US (support for policy) and implementation of a series of concrete activities (coordination within the EU-US STI landscape)
- [http://www.euusscienceandtechnology.eu/](http://www.euusscienceandtechnology.eu/)
The BILAT USA 4.0 Consortium

6 American partners 10 European partners

BILAT USA 4.0 receives funding by the European Union under Horizon 2020, Grant Agreement number 692468
Objectives

- **Tackle key Societal Challenges**
  - Identify and demonstrate the mutual benefits of STI cooperation
  - Support research and innovation partnerships in shared scientific priorities

- **Invest in Research & Sustainable Growth**
  - Contribute to an increase in U.S. participation in Horizon 2020 and other European initiatives.
  - Advocate policies that enforce new and existing partnerships

- **Support the Policy Dialogue**
  - Provide in-depth analysis to support strategic science & technology policy decisions.
  - Improve framework conditions to facilitate cooperation

- **Act as a Networking Platform**
  - Provide up-to-date information via website, social media and other channels.
  - Organize events to raise awareness about project activities & results
WP1 supports the policy dialogue between the EU and the USA by activities such as detecting synergies and differences in MS/AC policy approaches towards the USA, thus supporting an effective coordination.

WP2 enhances partnerships between researchers in “established” STI priority areas incl. innovation aspects. This established STI are Marine and Arctic, Health, NMP and Transport Research. Different workshops bring different actors of the research and innovation community together.

WP3 identifies “emerging” (foresight) STI fields to initialize partnerships incl. innovation aspects. New areas of mutual benefit will be determined and pilot-tested in several workshops, giving recommendations to policy-makers.

WP4 engages and focuses in particular on industry actors in EU-US STI collaboration. Activities such as EU-US cluster delegation visits or competitive calls bringing innovators on both sides together will have the effect of a strengthened innovation cooperation.

WP5 focuses on dissemination and communication of project results, activities and EU-US-related news.

WP6 is the overall project management
Products and Results

- **a terminology guide** and **a transnational researchers career program** for the use of researchers and research managers.

- Input from the scientific community will come via **an online Exchange Forum** for researchers and research managers sharing their experience in EU-US STI cooperation or asking for advice within the Forum.

- **a feasibility study on an NCP system** in the USA for the use of EC and US policy makers and for the information research managers and program owners.

- **a Coordinators Platform of relevant CSA projects** with USA as partner country, with the participation of research managers (the coordinators) and for the overall support to the EC to ensure synergies within H2020, providing a unique opportunity to link EU-funded projects with relation to the USA.

- **a Platform for Funders of MS/AC** and the USA on the basis of two workshops that are supposed to kick-start sustainable dialogue between the participating funding organisations; addressing impact IV.

- **delegation visits for applied science, academia and industry actors** from the MS/AC and the USA through a call for proposals.
LEARN ABOUT EU’S HORIZON 2020 GRANTS IN DC on August 10th. Register for this free workshop now!

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

Video

Latest News

Upcoming Events

PICASSO Project on EU-US ICT collaboration - Invitation to follow project activities via social media platforms

Having started in January 2016, the project PICASSO "ICT Policy, Research and Innovation for a Smart Society: towards new avenues in EU-US ICT collaboration" is bringing together EU and US...

More...

26 July 2016

16 July 2016

29th ECPN Congress I 17-20 September, Vienna, Austria

The ECPN Congress is Europe’s largest meeting on applied and translational neuroscience. Annualy it brings together between 6,000 and 8,000 psychaitrists, neuroccientists, neurologists and psychologists from around the world...

More...

More...
US Participation in European Funding Program (2007-2013)

U.S. Partners
- 514 participations
- €81,9 million ($92,8 million) financial EU contributions

particularly successful in Health | ICT | Food, Agriculture, Fisheries, Biotechnology | Energy

* signed projects, October 2014
EU Funding Program (2014-2020)

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

EU funding opportunities for US researchers
What is Horizon 2020?

- A **€80 billion research** and innovation funding program (2014-2020)
- A single program bringing together three formerly separated programs/initiatives (FP7/CIP/EIT)*.
- **Coupling research to innovation** – from research to retail, all forms of innovation
- Focus on **societal challenges facing EU society**, e.g. health, clean energy and transport
- Simplified access, for all companies, universities, institutes in all EU countries and beyond (=> **openness for international cooperation**).
- Strong participation of SMEs
- Open Access as basic principle for peer-reviewed scientific publications
Simplification as a major feature

- A single set of rules covering all research programs and funding bodies
- Simple evaluation criteria:
  - Excellence – Impact – Implementation (Excellence only, for the ERC-grants)
- Simplified funding rates (‘one rate per action’)
- 25% flat rate for indirect costs
- Shorter average ‘time-to-grant’: 8 months
- Grant Agreement is signed electronically

<table>
<thead>
<tr>
<th>Type of Organization</th>
<th>RIA</th>
<th>IA</th>
</tr>
</thead>
</table>
| Profit               | Direct costs = 100%  
Indirect costs = 25% | Direct costs = 70%  
Indirect costs = 25% |    |
| Non-Profit           | Direct costs = 100%  
Indirect costs = 25% | Direct costs = 100%  
Indirect costs = 25% |    |
Evaluation of proposals – standard award criteria

Excellence  Impact  Quality and efficiency of the implementation

ERC frontier research actions = „only excellence“
Innovation actions = higher weighting of „impact“

Helpful documents:
Guidance for evaluators of Horizon 2020 proposals

I. Excellent Science

II. Industrial Leadership

III. Societal Challenges

- Health, demographic change and wellbeing
- Bioeconomy
- Energy
- Transport
- Climate action, Environment...
- ...Societies
- Secure Societies...

Widening Participation

Science with and for Society

JRC

EIT

ERC

FET

Marie-Skłodowska-Curie

Research Infrastructures

Leadership in enabling and industrial technologies (LEIT)*

ICT, Nanotechnologies, Materials, Biotechnology, Manufacturing and Processing, and Space

Access to risk finance

Innovation in SME

Total budget 2014-2020: 77.7 billion €

BILAT USA 4.0 receives funding by the European Union under Horizon 2020, Grant Agreement number 692468
III. Societal Challenges

- 7 specific objectives which aim to contribute to solve important societal challenges of the Union
  - Policy driven: reflect the political priorities and societal challenges of the Europe 2020 strategy
  - Critical mass of knowledge and resources in order to deal with the societal challenges

- Largest budget share of 38.53% of H2020 (about 26.5 billion EUR)

- Interdisciplinary approach and inclusion of cross-cutting issues (gender, sustainability, international cooperation...)

- Entire cycle from basic research to market uptake

- Stronger output orientation

Health, demographic change and wellbeing
- Bioeconomy
Energy
Transport
Climate action, Environment...
- Societies
Secure Societies...
Current US Participation in Horizon 2020

Results after the first Work Programs
US-Participation in H2020

The chart illustrates the participation and EC contributions to various research and innovation areas under the Horizon 2020 program. The categories include:

- Euratom
- Integrate society in science and innovation
- Secure societies - Protecting freedom and security of Europe and its citizens
- Europe in a changing world - Inclusive, innovative and reflective Societies
- Nanotechnologies, Advanced Materials and Production
- Climate action, environment, resource efficiency and raw materials
- Secure, clean and efficient energy
- Food security, sustainable agriculture and forestry, marine and maritime...
- Health, demographic change and wellbeing
- Space
- Advanced materials
- Information and Communication Technologies
- Research infrastructures
- European Research Council

The contributions range from 0 to 10,000 thousands of euros, with specific details provided for each category.
US-Participation by field and type of organization

SME = Organisation is SME
REC = Research organisations
PUB = Public body (excl. research and education)
PRC = Private for profit (excl. education)
OTH = Others
HES = Higher or secondary education

08_2016 BILAT USA 4.0 receives funding by the European Union under Horizon 2020, Grant Agreement number 692468
Want to do your own statistics?

Do you want more information about ongoing projects?

Who can apply?

What are the basic rules?
H2020 = Open to the World

1. All projects can **include international partners**

2. **Targeted opening**

   In certain topics in calls for proposals, inclusion of international partners may be:
   a) encouraged or
   b) required

3. **Coordinated calls**

   Used for specific actions (e.g. identified through joint steering committees).
   Paired calls, linked evaluations, two contracts
Minimum conditions for participation

Eligibility conditions for participation

<table>
<thead>
<tr>
<th>RIA / IA</th>
<th>At least three legal entities. Each of the three must be established in a different EU MS/AC. All three legal entities must be independent of each other.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSA</td>
<td>At least one legal entity established in an EU MS/AC.</td>
</tr>
</tbody>
</table>

In addition, participants from any other country in the world can also be included.

Additional conditions can be set out in the work programme, e.g. number of participants, type of participants etc.

Eligibility for funding depends on the country

- List of third countries eligible for funding (‘developing Countries’) (see General Annexes in Work program)

- **No automatic funding** for entities from ‘industrialised countries’, BRIC (Brasil, Russia, India, China) and Mexico

- Only eligible for funding, if
  - specified in the Work Program or
  - participation deemed essential for the project (outstanding competence/expertise, access to research infrastructure, access to particular geographical environments, access to data) or
  - bilateral agreement between the EU and the respective country
Specific Legal issues relevant to US participants

- Legal rights and obligations depend on whether the U.S. organization receives EU funding.

- US beneficiaries who will be granted EU-funding: all rights and obligations of the Grant Agreement apply (Please check if your organization is legally entitled to sign the GA).

- US beneficiaries who will not be granted EU-funding: some obligations especially those related to cost reporting will not apply (Article 9 GA).

- Other obligations will still remain:
  - IPR rules, transfer and licensing of results
  - access rights, dissemination of results incl. Open Access, ethics, administrative and financial penalties,
  - liability for damages.
Open calls targeted to the US

<table>
<thead>
<tr>
<th>PROGRAMME AREA</th>
<th>CALL IDENTIFIER</th>
<th>TOPIC</th>
<th>TARGET COUNTRY/REGION</th>
<th>TYPE</th>
<th>DEADLINE</th>
<th>CALL BUDGET (M€)</th>
<th>DEMAND FOR INCO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health, demographic change and wellbeing</td>
<td></td>
<td></td>
<td>large number of calls in the area of Health, demographic change and wellbeing</td>
<td>US</td>
<td></td>
<td></td>
<td>not applicable</td>
</tr>
<tr>
<td>Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy</td>
<td>BG-11-2017</td>
<td>Climate impacts on Arctic permafrost, with a focus on coastal areas, and its socio-economic impact</td>
<td>Third countries (in particular Canada and the US)</td>
<td>RIA</td>
<td>14.02.2017</td>
<td>10</td>
<td>Strongly encouraged</td>
</tr>
<tr>
<td>Secure, clean and efficient energy</td>
<td>LCE 27 – 2017</td>
<td>Measuring, monitoring and controlling the subsurface containment of CO2 and natural gas</td>
<td>Canada, United States (in particular)</td>
<td>RIA</td>
<td>05.01.2017</td>
<td>15</td>
<td>Encouraged</td>
</tr>
</tbody>
</table>
## Open calls for US participants

<table>
<thead>
<tr>
<th>PROGRAMME AREA</th>
<th>CALL IDENTIFIER</th>
<th>TOPIC</th>
<th>TARGET COUNTRY/REGION</th>
<th>TYPE</th>
<th>DEADLINE</th>
<th>CALL BUDET (M€)</th>
<th>DEMAND FOR INCO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smart, green and integrated transport</td>
<td>MG-3.2-2017</td>
<td>Protection of all road users in crashes</td>
<td>Industrialised countries (i.e. US, JPN, CAN, AUS)</td>
<td>RIA</td>
<td>26.01.2017 (first stage) 19.10.2017 (second stage)</td>
<td>14</td>
<td>Encouraged</td>
</tr>
<tr>
<td>Smart, green and integrated transport</td>
<td>MG-7.1-2017</td>
<td>Resilience to extreme (natural and man-made) events</td>
<td>Third countries (in particular US)</td>
<td>RIA</td>
<td>26.01.2017 (first stage) 19.10.2017 (second stage)</td>
<td>37 / 3</td>
<td>Encouraged</td>
</tr>
<tr>
<td>Smart, green and integrated transport</td>
<td>GV-08-2017</td>
<td>Electrified urban commercial vehicles integration with fast charging infrastructure</td>
<td>Third countries (in particular JPN and US)</td>
<td>IA</td>
<td>02.02.2017</td>
<td>128 / 8</td>
<td>Encouraged</td>
</tr>
</tbody>
</table>

### Useful links

- [http://www.eubuero.de/international-ausschreibungen-drittlaender.htm](http://www.eubuero.de/international-ausschreibungen-drittlaender.htm)
- [http://www.eubuero.de/media/content/NKS_International/2015_10_13_Horizon_2020_Targeted_international_cooperation_actions_2016_17.xlsx](http://www.eubuero.de/media/content/NKS_International/2015_10_13_Horizon_2020_Targeted_international_cooperation_actions_2016_17.xlsx)
- [http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/ftags/international_cooperation.html#c.topics=flags/s/IntlCoop/1/1+callDeadline/desc](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/ftags/international_cooperation.html#c.topics=flags/s/IntlCoop/1/1+callDeadline/desc)
How do I participate
Work Programme/ Calls for proposals/ Topics

- **Work Program**
  - Describes research and innovation objectives for each specific activity and the calls for proposals to be implemented.

- **Call**
  - Up-to-date information on calls for proposals for all H2020. For each call, the EC indicates the opening and deadline date, total call budget, call description and call documents.

- **Topic**
  - Most calls are divided into topics. For each topic, the EC indicates the specific challenge, scope, expected impact, type of action, topic conditions and documents and link to the submission service.
Participant Portal – Single Entry Point to H2020

- One gateway principal
- Public Area:
  - Register
  - PIC - Search
  - H2020 Calls and Documents
- Private Area:
  - Submission
  - Contract negotiations
  - Contract changes
  - Reporting

<table>
<thead>
<tr>
<th>Topic</th>
<th>Description</th>
<th>Publication Date</th>
<th>Types of action</th>
<th>Deadline Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART-01-2017: ICT infrastructure to enable the transition towards road transport automation</td>
<td>Forthcoming</td>
<td>14 October 2015</td>
<td>IA Innovation action</td>
<td>26 January 2017 17:00:00</td>
</tr>
<tr>
<td>ART-03-2017: Multi-brand platooning in real traffic conditions</td>
<td>Forthcoming</td>
<td>14 October 2015</td>
<td>IA Innovation action</td>
<td>26 January 2017 17:00:00</td>
</tr>
<tr>
<td>ART-07-2017: Full-scale demonstration of urban road transport automation</td>
<td>Forthcoming</td>
<td>14 October 2015</td>
<td>IA Innovation action</td>
<td>26 January 2017 17:00:00</td>
</tr>
<tr>
<td>Topic</td>
<td>Title</td>
<td>Types of action</td>
<td>DeadlineModel</td>
<td>Opening date</td>
</tr>
<tr>
<td>-------</td>
<td>-------</td>
<td>----------------</td>
<td>---------------</td>
<td>--------------</td>
</tr>
<tr>
<td></td>
<td>CIRC-02-2016-2017: Water in the context of the circular economy</td>
<td>IA Innovation action</td>
<td>two-stage</td>
<td>08 November 2016</td>
</tr>
<tr>
<td></td>
<td>GALILEO-2-2017: GNSS mass market applications</td>
<td>IA Innovation action</td>
<td>single-stage</td>
<td>08 November 2016</td>
</tr>
<tr>
<td></td>
<td>MG-1.3-2017: Maintaining industrial leadership in aeronautics</td>
<td>RI Research and Innovation action</td>
<td>two-stage</td>
<td>20 September 2016</td>
</tr>
<tr>
<td></td>
<td>SC1-HC03-2017: Implementing the Strategic Research Agenda on Personalised Medicine</td>
<td>ERA-NET-Cofund ERA-NET Cofund</td>
<td>single-stage</td>
<td>28 July 2016</td>
</tr>
<tr>
<td></td>
<td>SC1-HC08-2017: Actions to bridge the divide in European health research and innovation</td>
<td>CSA Coordination and support action</td>
<td>single-stage</td>
<td>28 July 2016</td>
</tr>
</tbody>
</table>
Topics for international cooperation

International cooperation has always been a key feature of the scientific endeavour. In a rapidly evolving global context, Research and Innovation are increasingly linked internationally, demanding new forms of cooperation.

Horizon 2020 is open to the world, allowing European researchers to cooperate with their counterparts around the world in H2020 projects on any topic. In addition, in some parts of Horizon 2020, topics have been flagged as being particularly suitable for international cooperation and consortia are encouraged to include non-EU partners.
What next?

How can I access the portal and participate?
Participant Portal
– Single Entry Point to H2020

- One gateway principal
- Public Area:
  - Register
  - PIC - Search
  - H2020 Calls and Documents
- Private Area:
  - Submission
  - Contract negotiations
  - Contract changes
  - Reporting

On this site you can find and secure funding for projects under the following EU programmes:

- 2014-2020 Horizon 2020 - research and Innovation framework programme
- 2007-2013 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP)
- Research Fund for Coal & Steel, COSME, 3rd Health Programme, Consumer Programme

Non-registered users:
- search for funding
- read the H2020 Online Manual & download the legal documents
- check if an organisation is already registered
- contact our support services or check our FAQs

Registered users:
- submit your proposal
- sign the grant
- manage your project throughout its lifecycle
- register as expert advising the Commission

Sign up

EUROPEAN COMMISSION AUTHENTICATION SERVICE (ECAS)

Sign Up

Help for external users

Choose a username
First name *
Last name *
E-mail *
Confirm e-mail *
E-mail language

Enter the code *

Privacy statement: by checking this box, you acknowledge that you have read and understood the privacy statement

Sign up
My Area – Participant Portal

RESEARCH & INNOVATION

Participant Portal

On this site you can find and secure funding for projects under the following EU programmes:

- **2014-2020** Horizon 2020 – research and innovation framework programme
- **2007-2013** 7th research framework programme (FP7) and Competitiveness & Innovation Programmes (CIP)
- Research Fund for Coal & Steel, COSME, 3rd Health Programme, Consumer Programme

Non-registered users

- search for funding
- read the H2020 Online Manual & download the legal documents
- check if an organization is already registered
- contact our support services or check our FAQs

Registered users

- submit your proposal
- sign the grant
- manage your project throughout its lifecycle
- register as expert advising the Commission

08_2016 BILAT USA 4.0 receives funding by the European Union under Horizon 2020, Grant Agreement number 692468
RESEARCH & INNOVATION

Participant Portal

European Commission > Research & Innovation > Participant Portal > My Projects

My projects

This page enables you to access all your EU projects managed via the Participant Portal that have been selected and approved for funding.

Depending on your roles, you can view or manage the following project-related tasks:

- Prepare and sign your grant agreement
- Submit amendments to your grant agreement
- Manage your scientific and financial reports
- View or manage roles and access rights in your projects consortia

If you are LDAR and want to see the full list of your organisation projects, please go to My Organisations and click on the action button. LDAR can only view the list of projects in which their organisation is involved. If you want to see project details, your organisation main contact for this project or the project Coordinator has to give you access rights. For more details see the H2020 online manual.

Legend

- Access Amendment
- Grant Preparation
- Manage Projects
- Financial Reporting
- Periodic Reporting
- Reporting & Deliverables
- Project Consortium
- View Proposal

Show 10 entries

ACRONYM | CALL | PROG | PROJECT ID | ROLES | PHASE | ACTIONS
--- | --- | --- | --- | --- | --- | ---
D.ICE+ | FP7-INCO-2012-2 | FP7 | 312190 | Grant Management | 
BLACK SEA HORIZON | H2020-INT-INCO-2014 | H2020 | 645785 | Grant Management | 
CAAST-Net Plus | FP7-INCO-2012-1 | FP7 | 311806 | Grant Management | 

08_2016 BILAT USA 4.0 receives funding by the European Union under Horizon 2020, Grant Agreement number 692468
Register your organization

RESEARCH & INNOVATION

Participant Portal

Frequently Asked Questions (FAQ)

This page is updated with the answers to the most frequent questions that were submitted to the IT Helpdesk.

You can find additional guidance in H2020 Online Manual that gives you all the steps for applying for funding as well as for the electronic management of grants. To better understand the roles and access rights of the Participant Portal, see the related manual section.

If you want to have more detailed information about the tools of the proposal submission, beneficiary registration and management and see their screens, please click on the icon in the H2020 Online Manual. Besides you can find the same information in the following pdf manuals of the tools:

- User manuals for the IP services:
  - Organisation registration - User Manual
  - SME self-assessment tool - User Guide
  - Submission Service - User Manual
  - FP7 Negotiation, Amendments and Periodic reporting - online Manual
  - FP7 Financial reporting - User Manual
  - FP7 Reporting and deliverables - User Manual

1. Participant Portal
2. User Registration and ECAS account
Register your organization

Registration of organisation

Before applying for research funding (by submitting a project proposal), all organisations (partners) involved in the project must first be registered with the Commission.

When an organisation does not have legal personality, his/her representatives must prove they have the capacity to undertake legal obligations on behalf of the organisation and that the organisation has financial and operational capacity equivalent to that of legal persons.

You can check if your organisation is already registered on the Beneficiary Register page.

Not Yet Registered?

- If you already have a user account for the Participant Portal, you can log in straight away and start entering information to register your organisation on the Beneficiary Register page.
- If you’re new to the Participant Portal, you will first need to create a user account (ECAS account), before you start the registration process.
Register your organization

Frequently Asked Questions (FAQ)

This page is updated with the answers to the most frequent questions that were submitted to the IT Helpdesk.

You can find additional guidance in H2020 Online Manual that gives you all the steps for applying for funding as well as for the electronic management of grants. To better understand the roles and access rights of the Participant Portal, see the related manual section.

If you want to have more detailed information about the tools of the proposal submission, beneficiary registration and grant management and see their screens, please click on the icon in the H2020 Online Manual. Besides you can find the same information in the following pdf manuals of the tools:

User manuals for the PP services:
- Organization registration - User Manual
- SME self-assessment tool - User Guide
- Submission Service - User Manual
- FP7 Negotiation, Amendments and Periodic reporting - User Manual
- FP7 Financial reporting - User Manual
- FP7 Reporting and deliverables - User Manual

1. Participant Portal
2. User Registration and ECAS account
Legal Framework

- EU Financial Regulation H2020 - Rules for Participation Work Program
- Grant Agreement (GA) provides the rights and obligations between the EC and the beneficiaries
- Consortium Agreement (CA) provides the rights and obligations between the beneficiaries
H2020 interactive Manual

http://ec.europa.eu/research/participants/docs/h2020-funding-guide/index_en.htm

http://www.euussciencetechnology.eu/documents/24
Further Information

Horizon 2020 Webpage (EC)
http://ec.europa.eu/programmes/horizon2020/

Reference documents (e.g. Annotated GA)
http://ec.europa.eu/research/participants/docs/h2020-funding-guide/index_en.htm

Participant Portal

Topics for International Cooperation
http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/flags/international_cooperation.html#c.topics=flags/s/IntlCoop/1/1+callDeadline/desc

IPR Helpdesk
http://www.iprhelpdesk.eu/

EURAXESS
www.euraxess.org

Marie Sklodowska-Curie Actions
http://ec.europa.eu/research/mariecurieactions/

European Research Council
http://erc.europa.eu/
Thank you for your attention!

For more Information

http://www.EuUsScienceTechnology.eu

Dr. Olaf Heilmayer
Olaf.Heilmayer@dlr.de

Nina Schüle
Nina.Schuele@dlr.de