

### **AGENDA & Selected Talk Goals**

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AUÐNA

#### 24 + 25 MAY 2022

### MASTERCLASS **ON TECHNOLOGY TRANSFER** FOR PhD STUDENTS.

2 days of mentoring with scientific entrepreneurs, mentors and R&D professionals to learn scientific innovation, Business Model Canvas, intellectual property rights, financing, public speaking and other valuable insights.

Participation fee: 10.000,- isk, incl. lunch. Further information and registration at: info@ttoiceland.is Address: Gróska, Bjargargata 1, 102 - Reykjavík, Iceland. Meeting room: Fenjamýri, ground floor.

#### **PROGRAMME**

#### MAY 24th

- 09:00 Introductions & programme.
- "From basic research to business" Helga Dögg Flosadóttir PhD, Atmonia. 09:30 10:00 "Technology Transfer - What, Why and How?" - Einar Mäntylä, CEO, Auðna TTO.
- 10:30 Coffee break.
- 10:45
- "IP: The lifeblood of your innovation" Jón Gunnarsson, Hugverkastofan "IP is the corner stone in the value creation of companies" 11:15 - Guðmundur Þór Revnaldsson, Controlant,
- 11:45 0&A + discussions.
- 12:00 Lunch.
- "Business Model Canvas 101" Ásta Sóllilia Guðmunsdóttir. Auðna TTO. 12:45
- 13:30 Working in teams with mentors. 17:00 End of Day 1

#### MAY 25th

- 09:00 Welcome & programme
- 09:15 "Icelandic Grants for R&D projects" Þórunn Jónsdóttir, Þórunn Consulting. 10:00 "Lessons learned from developing EC Horizon 2020 Projects offering Practice
- & Experience for EC Horizon/Digital Europe Projects\* Prof. Morris Riedl, HÍ. Coffee break. 10:45
- "Telling your story to the world" Eiríkur Sigurðsson, biologist and PR consultant. 11:00
- 12:00 Lunch
- 12:45 Working in teams with mentors. 14:45 Team presentations & feedback sessions.
- 16:30 Drinks and celebration.



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### Controlant

**OF ICELAND** Hugverkastofan

- THORUNN RÁÐGJÖF

### Motivation

- Impact Example of EC Projects for Communities & PhDs
- Why should PhD Students actually care?
- General Understanding of EC Projects
  - Funding & Tenders Portal
  - Structure of EC Projects with Part A & B
- Selected Lessons Learned
  - Challenge: 18 Years of EC Project Submission Experiense in ~45 Minutes
  - Practical Insights with Demonstrations (not just Powerpoint)



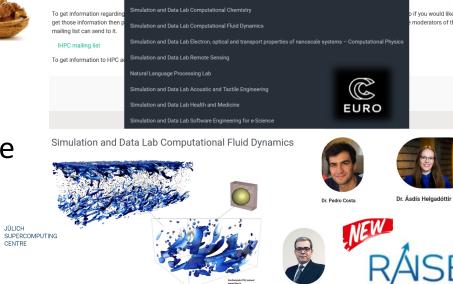
# Why? – EC Project Example & Community Impact

**IHPC National Competence Center** 

for HPC & AI in Iceland







The Simulation and Data Lab computational fluid dynamics (SimDataLab CFD) is leading parallel computing in Computational fluid dynamics in Iceland at the University of Iceland. The SimDataLab is Iceland's representative in the international projects in CFD and parallel computing. SimDataLab CFD aims to develop parallel code applications in CFD and support users who have already developed parallel application codes. SimDataLab CFD participates in the European projection of the European proje network in parallel computing and has an infrastructure and access to powerful parallel systems in-memory optimization, processing system architecture, high scalability and have performance optimization computer podes

Prologu

Lessons Learned from Developing EC Horizon 2020 Projects offering Practice & Experience for EC Horizon/Digital Europe Projects



**EuroHPC** 

- Experts w.r.t. HPC in domain-specific topics
- Based on extensive community experience
  - Juelich Supercomputing Centre in Germany works with the model for ~18 years



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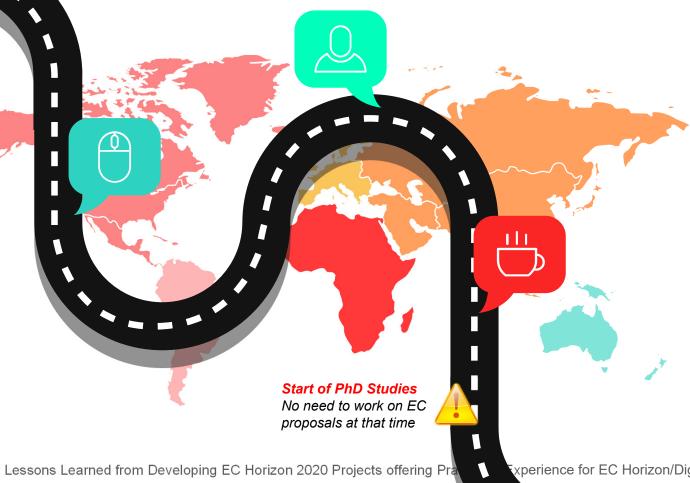
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# Motivation – Why EC Projects are useful for PhDs?

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PhD Studies end some time: Entering PostDoc time can be tricky Funding needs to be there



### Understanding the bigger picture

- Enables smoother transition into PostDoc time
- Understanding better what an academic life entails towards professorship
- Steer interesting topics to work on

### **Towards more Publications**

- Drive more publications through project results (e.g., 'burden of deliverables' good)
- **Cover costs for increasing Journal Open** Access fees (e.g., gold standard, etc.)

### **More Travel & Increased Networking**

- Cover costs for travel to expensive conference, exhibitions, forums (with or without papers)
- Being exposed to different places, people, and life/work situations: incredible potential you can get in combining those skills in EC projects
- Increased contacts world-wide good for career

xperience for EC Horizon/Digital Europe Projects

## **Example – How a EC Project Proposal Looks Like**



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Submitted Proposals might be changed after acceptance E.g., copyright problems with project names, partners change, etc. – contract negotiation & amendments

○ A https://www.coe-raise.eu

# SHORT WALKTHROUGH

#### **Technical annex**

**Research and Innovation actions** INFRAEDI-05-2020 - Centres of Excellence in exascale computing

RESEARCH ON AI- AND SIMULATION-BASED ENGINEERING AT EXASCALE (RAISE)

#### List of participants

Participant No. * Participant organization name		Short name	Country
1 (Coordinator)	Forschungszentrum Jülich GmbH	FZJ	DE
2	University of Iceland	UOI	IS
3	The Cyprus Institute	CYI	CY
4	RWTH Aachen University	RWTH	DE
5	Barcelona Supercomputing Center	BSC	ES
6	Conseil Européen pour la Recherche Nucléaire	CERN	CH
7	Centre Européen de Recherche et de Formation Avancée en Calcul Scientifique	CERFACS	FR
8	Bull SAS	BULL	FR
9	Rigas Tehniska Universitate	RTU	LV
10	Flanders Make VZW	FM	BE
11	Safran HE	SAFRAN	FR



**Understanding PART A & B** Part A is in the EU Portal (later) and Part B are the real ideas



About News Research Network Services Events Media 🛛 in 🎔 f R<sup>6</sup> 🕶 📼

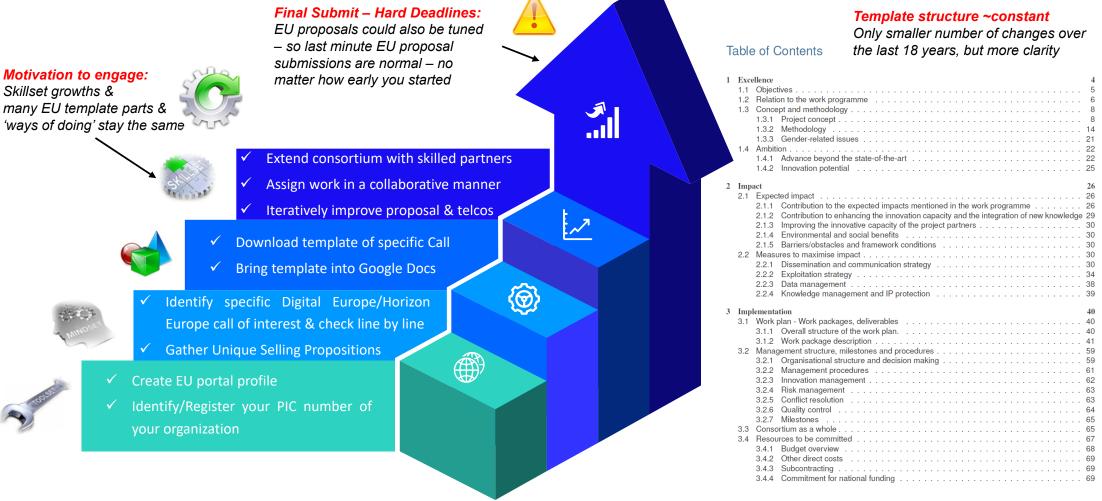


# Background – What means Digital/Horizon Europe?



← → C û	Digital Europe Programme is the first EU programme that aims to accelerate the recovery and drive the digital transformation of Europe. Worth €7.6 billion (in current prices), the Programme is a part of the next long-term EU budget, (the Multiannual Financial Framework), and it covers 2021 to 2027. It will provide funding for projects in five crucial areas: supercomputing, artificial intelligence, cybersecurity, advanced digital skills, and ensuring the wide use of digital technologies across the economy and society.	<ul> <li>Find calls for proposals</li> <li>Projects &amp; Results</li> <li>Prioritics</li> <li>What's new?</li> </ul>	10% t2 III e	SHORT DEMO
	The Programme is fine-tuned to fill the gap between the research of digital technologies and their deployment, and to bring the results of research to the market - for the benefit of Europe's citizens and businesses, and in particular SMEs. Investments under the Digital Europe programme supports the Union's twin objectives of a green transition and digital transformation and strengthens the Union's resilience and strategic autonomy.			
Find calls for proposals	in Digital Europe Programme	$\leftarrow$ $\rightarrow$ C $\textcircled{a}$	O A https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/ho	orizon E 110% ☆ 🕅 📀
		Horizon Europe	Horizon Europe is the ambitious EU research & innovation framework programme for 2021-2027 with a budget of £95.5 billion.       • Find calls for proposals         Its overarching goals are:       • Projects & Results         • to strengthen the EU's scientific and technological bases and the European Research Area (ERA);       • Missions areas         • to deliver on citizen's priorities and sustain our socio-economic model and values.       • Simplified funding         with a particular focus on creating impact or the European Green Deal, the digital and sustainability transition and recovery from the coronavirus-crisis.       • What's new?	
	those proposals, so might not fit 100% PhD study, but still useful & future oriented (e.g., PostDoc time?)			Projects & Results      View (1094)     Check dashboard

### **Question – Is it hard to start? How do I start?**



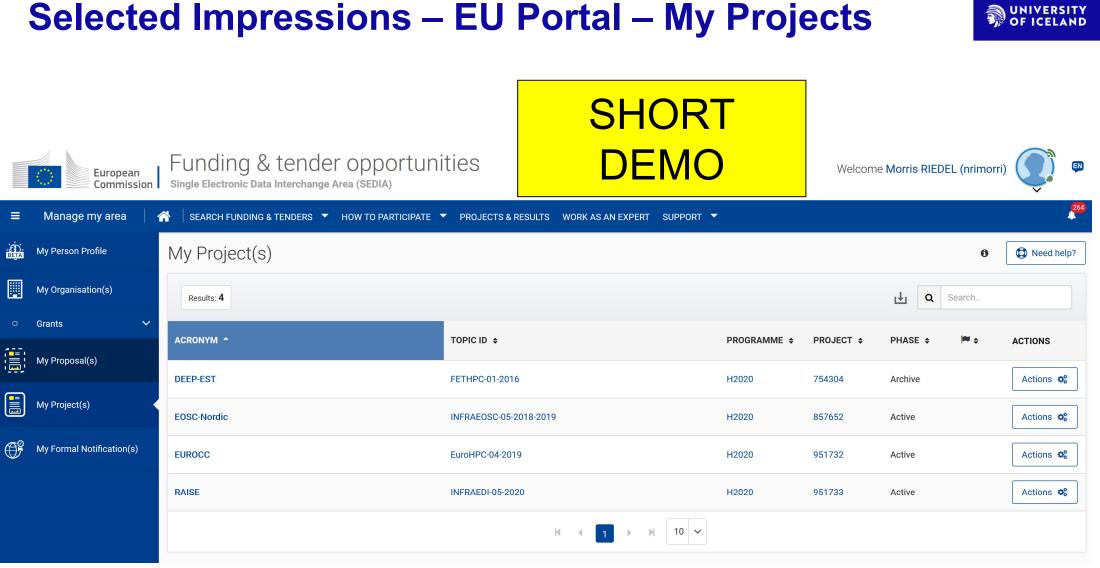
#### **Selected Impressions – EU Portal Funding & Tender** UNIVERSITY OF ICELAND Funding & tender opportunities English 🖪 European Single Electronic Data Interchange Area (SEDIA) Commission SHORT Register Logir SEARCH FUNDING & TENDERS HOW TO PARTICIPATE PROJECTS & RESULTS WORK AS AN EXPERT SUPPORT DEMO Digital Europe Programme (DIGITAL) clear filter 😣 • Grant Management Services will be experiencing issues on Wednesday 25.05.2022 between 07:30 and 08:10 CET. Proposal submission service may not be available between 27/05/2022 08:00:00 and 27/05/2022 09:00:00, while system maintenance is being performed. We apologize for any inconvenience this may cause. Funding and tenders (10) Need help? Sort by: Submission status 🗸 🗸 Q HPC Match whole words only Call for proposal Networking and coordination of national HPC Competence Centres and Centres of Excellence Grant DIGITAL-EUROHPC-JU-2022-NCC-01-02 GRANTS TENDERS Programme Digital Europe Programme (DIGITAL) Status Open for submission Type of action **DIGITAL JU Coordination and Support Actions** Deadline model single-stage Submission status **Opening date** 20 April 2022 **Deadline date** 28 June 2022 17:00:00 Brussels time 1 1 1 Forthcomina Open for submission (2) Closed (8) Call for proposal National Competence Centres for High Performance Computing Grant DIGITAL-EUROHPC-JU-2022-NCC-01-01 **Programming period** Programme Digital Europe Programme (DIGITAL) Status Open for submission **DIGITAL JU Simple Grants** Type of action Deadline model single-stage 2021 - 2027 (10) × × Opening date 20 April 2022 Deadline date 28 June 2022 17:00:00 Brussels time X

# **Selected Impressions – EU Portal – My Proposals**

Funding & tender opportunities EN Welcome Morris RIEDEL (nrimorri) European Single Electronic Data Interchange Area (SEDIA) Commission SHORT Manage my area SEARCH FUNDING & TENDERS 🔻 HOW TO PARTICIPATE 🔻 PROJECTS & RESULTS WORK AS AN EXPERT SUPPORT 🔫 = My Person Profile DEMO × Best practices to submit your proposal: check this FAQ to find out some best practices to prepare the forms for your proposal and submit it. My Organisation(s) My Proposal(s) D Need help? 6 Grants Ŀ Results: 11 Q Search. My Proposal(s) PROGRAMME + CALL + FUNDING SCHEME \$ PROPOSAL ID ÷ ACRONYM + STATUS ÷ REMAINING TIME CLOSURE DATE (Brussels time) \$ ACTIONS My Project(s) HORIZON HORIZON-CL4-2022-DATA-01 HORIZON-RIA 101093208 CICERO 05/04/2022 17:00:00 Actions 📽 Submittee Ø My Formal Notification(s) HORIZON HORIZON-CL2-2022-HERITAGE-01 HORIZON-RIA SEP-210835773 HEGELabs Draft 20/04/2022 17:00:00 Actions 🕫 HORIZON HORIZON-MISS-2021-CANCER-02 HORIZON-RIA SEP-210846851 IMPLICATED 26/04/2022 17:00:00 Draft Actions of DIGITAL DIGITAL-2021-EDIH-01 DIGITAL-SIMPLE 101083762 EDIH-IS Final 22/02/2022 17:00:00 Actions 📽 H2020 H2020-JTI-EuroHPC-2020-03 EuroHPC-CSA 101051604 EduHPC Final 01/07/2021 17:00:00 Actions 😋 H2020 H2020-FETPROACT-2020-2 RIA 101017954 NARES Final 02/07/2020 17:00:00 Actions 08 H2020 H2020-DT-2020-1 IA 101017084 AI-HOSPITAI 17/06/2020 17:00:00 Final Actions 📽 H2020 H2020-ICT-2020-1 RIA 957215 AI4CPPS Final 16/01/2020 17:00:00 Actions 0 H2020 H2020-JTI-IMI2-2019-18-two-stage IMI2-RIA 945480 iCanStandards Final 26/09/2019 17:00:00 Actions 😋 H2020 H2020-SC1-DTH-2019 24/04/2019 17:00:00 Actions 📽 RIA 875474 Almpact Final

Lessons Learned from Developing EC Horizon 2020 Projects offering Practice & Experience for EC Horizon/Digital Europe Projects

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## **Selected Lessons Learned (from HPC/AI Experience)**

**B** OBJECTIVE OBJECTIVES OBJECTIVE S

**CICERO** 



Integrating partners with wider coverage in the EU



countries is usually essential





specific needs & save text space

**Good Figures** 

Can be re-used in many

proposals and adapted for

Horizon Europe 2021-2027



### **Experience** in **Consortium in EU Applications**

The templates only give rough information & experience over years pays off to understand & fill templates correctly

> Never was easier to submit EU applications Informaion, EU Strategies & Policies also clearly available

- Check PIC number of participants  $\checkmark$ (e.g., some send you their picture)
- Weekly Phone calls essential to progress  $\rightarrow$  schedule until submission
- Check template constraints: font sizes,  $\checkmark$ margins (i.e., google different vs. word)
- Check funding ratios: 50%, 125%, etc.  $\checkmark$
- Extend the consortium not with friends of friends of friends  $\rightarrow$  complementarity
- Press on partners to deliver with daily  $\checkmark$ reminders  $\rightarrow$  budget according inputs
- Template offers many chances for fine tuning & save space (e.g., tables)
- Good news: Digital/Horizon Europe
  - ✓ Often less pages (e.g., 45 vs. 70)
  - ✓ EU Portal stability improved over FP5, FP6, FP7, Horizon 2020
  - ✓ More have know-how now

### **GREETINGS FROM IEEE MIPRO & Q&A – Session**





