

**PERIN** Portugal in Europe  
Research and Innovation Network

# *Highlights* sobre assuntos horizontais relevantes

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**FCT** Fundação  
para a Ciência  
e a Tecnologia



**PORTUGAL  
SPACE**

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Inovação e  
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**CIÊNCIA VIVA**

## *Highlights* sobre assuntos horizontais relevantes



Lump sum funding



Two-stage topics/pilot  
blind evaluation



60% funding rate for  
(some) Innovation Actions

## Slide 2

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**PT0**

O que acham que falamos no 1º ponto? REPowerEU e o impacto que isso pode ter no WP, por exemplo?

PT, 2023-01-13T12:45:07.894

# Lump sum: why?

## **Reducing the financial error rate**

- Lump sums are a key measure to achieve this in HE

## **Significant simplification potential**

- Funding based on reimbursement of real costs remains complex and error-prone. Little scope for further simplification
- Lump sums remove the obligation to report actual costs and resources
- Easier to use for beneficiaries with limited experience

## **Focus on content**

- Focus less on financial management and more on content

# Writing a lump sum proposal

- To write a lump sum proposal, you:
  - Use the standard **HE application form**
  - Present the objectives and methodology of your project and address the expected outcomes and impacts as in any HE proposal.
  - Describe in detail the activities covered by each work package.
- To define and justify the lump sum, you need to provide a **detailed budget table** with cost estimations
- The detailed budget table is an **Excel file**. You must download it from the online submission system, fill it and submit it as an annex to the Part B of your application form.

# Lump sum: Keeping records

## You need (e.g.)



- Technical documents
- Publications, prototypes, deliverables
- Documentation required by good research practices such as lab books
- ...any document proving that the work was done as detailed in Annex 1



*Same as for all Horizon Europe grants*

## You don't need



- Time-sheets
- Pay-slips or contracts
- Depreciation policy
- Invoices
- ...any documents proving the actual costs incurred

# Lump sum: Improvements for WP2023-2024

- Higher page limit for lump sum proposals
  - 45 to **50** page limit for RIA/IAs
  - 30 to **33** page limit for CSA
- Improved excel tool for lump sum budget table
- 19 (out of 173) lump sum topics in Cluster 4

# Lump sum Topics: WP2023-2024

- 
- [HORIZON-CL4-2023-TWIN-TRANSITION-01-08](#) Foresight and technology transfer for Manufacturing as a Service (Made in Europe Partnership) (CSA)
  - [HORIZON-CL4-2023-DATA-01-04](#) Cognitive Computing Continuum: Intelligence and automation for more efficient data processing (AI, data and robotics partnership) (RIA)
  - [HORIZON-CL4-2023-DIGITAL-EMERGING-01-53](#) Versatile light sources and systems as tools for manufacturing and medical application (Photonics Partnership) (RIA)
  - [HORIZON-CL4-2023-DIGITAL-EMERGING-01-57](#) Advanced imaging and sensing technologies (IA)(Photonics Partnership)
  - [HORIZON-CL4-2023-DIGITAL-EMERGING-01-32](#) Sustainable safe-by-design 2D materials technology (RIA)
  - [HORIZON-CL4-2023-DIGITAL-EMERGING-01-40](#) Quantum Photonic Integrated Circuit technologies (RIA)
  - [HORIZON-CL4-2024-DIGITAL-EMERGING-01-22](#) Fundamentals of Software Engineering (RIA)
  - [HORIZON-CL4-2024-DIGITAL-EMERGING-01-23](#) Public recognition scheme for Open Source (CSA)
  - [HORIZON-CL4-2024-DIGITAL-EMERGING-01-34](#) Synergy with national and regional initiatives in Europe (CSA)
  - [HORIZON-CL4-2023-HUMAN-01-91](#) International Hub for Digital Partnerships in the Indo-Pacific (CSA)
  - [HORIZON-CL4-2023-HUMAN-01-92](#) R&I cooperation with Sub-Saharan Africa (CSA)
  - [HORIZON-CL4-2023-HUMAN-01-93](#) R&I cooperation with Latin America (Mexico, Brazil, Argentina, and other countries in the BELLA network or members of RedClara) (CSA)
  - [HORIZON-CL4-2023-HUMAN-01-54](#) Green and digital skills and training needs for a just transition (CSA)
  - [HORIZON-CL4-2023-HUMAN-01-81](#) Digital Humanism - Putting people at the centre of the digital transformation (CSA)
  - [HORIZON-CL4-2023-HUMAN-01-82](#) Art-driven digital innovation: Towards human compatible and ecologically conscious technology (CSA)
  - [HORIZON-CL4-2023-HUMAN-01-05](#) Through AI from Disinformation to Trust (IA)
  - [HORIZON-CL4-2023-HUMAN-01-65](#) Support facility for digital standardisation and international cooperation in digital partnerships (CSA)
  - [HORIZON-CL4-2023-HUMAN-01-66](#) Promoting EU standards globally (CSA)
  - [HORIZON-CL4-2024-HUMAN-01-61](#) Facilitate the engagement in global ICT standardisation development (CSA)
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# Lump sum Topics: WP2023-2024

HORIZON-CL4-2023-TWIN-TRANSITION-01-08: Foresight and technology transfer for Manufacturing as a Service (Made in Europe Partnership) (CSA)

## **Expected Outcomes :**

- Foresight for Manufacturing as a Service and digital technologies in manufacturing
  - (a) analysis of the best practices to advance circularity, decarbonisation, and sustainability of industrial production;
  - (b) analysis of foreseeable developments and trends for Manufacturing as a Service vs. centralised manufacturing;
  - (c) recommendations for an EU manufacturing standardisation strategy for data;
  - (d) roadmapping for EU industry to transform and anticipate these changes.
- Support for the transfer of information and technologies between Horizon Europe projects and other relevant initiatives, e.g., the Manufacturing Data Spaces and the network of European Digital Innovation Hubs.

**Indicative budget: 1 million EUR**

**EU contribution per project: 1 million EUR**

**Type of Action: Coordination and Support Actions | Lump Sum**

# Lump sum: resources available

One dedicated [lump sum page](#) on the Funding & Tenders Portal with:

Guidance documents	<ul style="list-style-type: none"><li>• <a href="#">What do I need to know? &amp; Quick guide</a></li><li>• <a href="#">Frequently asked questions</a></li><li>• <a href="#">Detailed guidance for applicants and beneficiaries</a></li><li>• <a href="#">Lump sum briefing slides for experts</a></li></ul>
Reference documents	<ul style="list-style-type: none"><li>• <a href="#">Model Grant Agreement Lump Sum</a></li><li>• <a href="#">Decision authorising the use of lump sum contributions under the Horizon Europe Programme</a></li></ul>
Studies	<ul style="list-style-type: none"><li>• <a href="#">European Commission assessment</a> (October 2021)</li><li>• <a href="#">European Parliament (STOA) study on lump sums in Horizon 2020</a> (May 2022)</li></ul>
Events	<ul style="list-style-type: none"><li>• Future events</li><li>• Past events and recordings</li></ul>
Funding opportunities	<ul style="list-style-type: none"><li>• List of Horizon Europe topics using lump sum funding</li></ul>



9 fev, [Lump Sum Funding in Horizon Europe: How does it work? How to write a proposal?](#)

# Blind evaluation for all two-stage topics



## Key facts

- It will be launched in the WP 2023-24
- **All two-stage calls** in 2023 and 2024 should take part in the pilot (except justified cases)
- It will only concern the **first stage application** of two-stage calls
- **NEW** **admissibility criterion**: Applicants submitting a proposal under the blind evaluation pilot must not disclose their **organisation names, acronyms, logos nor names of personnel** in Part B of their first-stage application.



No identification data can be mentioned by applicants in the proposal's **Part B**, otherwise **inadmissible proposal**



## Process

The concept of Blind evaluation requires that experts in the SEP evaluation session do not know the consortium structure and the applicant(s) involved. To accomplish this, the following safeguards are in place:

### Part A

- **Will not be transmitted to evaluators.**

### Part B

- If proposals **include any identification** of the applicant in Part B, the proposal will be declared **inadmissible** and will be **rejected**.

# Two-stage topics

- 
- [HORIZON-CL4-2023-TWIN-TRANSITION-01-11](#) Intelligent data acquisition and analysis of materials and products in existing built works (RIA)
  - [HORIZON-CL4-2024-TWIN-TRANSITION-01-01](#) Bio-intelligent manufacturing industries (Made in Europe Partnership) (RIA)
  - [HORIZON-CL4-2024-TWIN-TRANSITION-01-12](#) Enhanced assessment, intervention and repair of civil engineering infrastructure (RIA)
  - [HORIZON-CL4-2023-RESILIENCE-01-32](#) Bioinspired and biomimetic materials for sustainable textiles (IA)
  - [HORIZON-CL4-2023-RESILIENCE-01-33](#) Smart sensors for the Electronic Appliances market (RIA)
  - [HORIZON-CL4-2023-RESILIENCE-01-34](#) Advanced (nano and bio-based) materials for sustainable agriculture (RIA)
  - [HORIZON-CL4-2023-RESILIENCE-01-37](#) Advanced materials for magnets in applications for the New Energies Market (RIA)
  - [HORIZON-CL4-2024-RESILIENCE-01-36](#) Advanced biomaterials for the Health Care (IA)
  - [HORIZON-CL4-2024-RESILIENCE-01-35](#) Biodegradable polymers for sustainable packaging materials (IA)
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# Funding rates and exceptions

Action	Funding*	Technology Readiness Level (TRL)	Main Characteristics
<b>RIA</b> Research & Innovation Action	100 %	Low TRL (4-6)	Basic and applied <b>research</b> , technology development, and integration, testing, and validation on a small-scale prototype in a laboratory or simulated environment
<b>IA</b> Innovation Action	70 % (or 60% in specific topics)	High TRL (6-8)	<b>Prototyping</b> , testing, demonstrating, piloting, large-scale product validation and <b>market replication</b>
<b>CSA</b> Coordination & Support Action	100 %		<b>Networking</b> , coordination or <b>support services</b> , policy dialogues, and mutual learning exercises and studies

\*always 100% for non-profit  
25% for indirect costs

## Funding rate reduction (60% in specific topics)

- 
- [HORIZON-CL4-2023-TWIN-TRANSITION-01-02](#) High-precision OR complex product manufacturing – potentially including the use of photonics (Made in Europe and Photonics Partnerships) (IA)
  - [HORIZON-CL4-2024-DATA-01-01](#) AI-driven data operations and compliance technologies (AI, data and robotics partnership) (IA)
  - [HORIZON-CL4-2023-DIGITAL-EMERGING-01-57](#) Advanced imaging and sensing technologies (IA)(Photonics Partnership)
  - [HORIZON-CL4-2023-HUMAN-01-02](#) Large Scale pilots on trustworthy AI data and robotics addressing key societal challenges (AI Data and Robotics Partnership) (IA)
-

## Funding rate reduction (60% in specific topics)

HORIZON-CL4-2023-TWIN-TRANSITION-01-02: High-precision OR complex product manufacturing – potentially including the use of photonics (Made in Europe and Photonics Partnerships) (IA)

### Expected Outcomes:

- High-precision manufacturing and/or manufacturing of products with complex geometries or structures; embedded electronics, optics or photonics; surfaces and surface functionalities; and multi-process manufacturing;
- Highly resilient and flexible production lines, enabling highly customised products across a wide range of markets, and ensuring strategic autonomy for the manufacturing industry of the Union and Associated Countries.
- Significant reductions in the use of materials, waste, defects and energy consumption.
- Fostering the competitiveness of the European manufacturing industry, in general and (only in the relevant projects) in the field of laser machine tools and within the laser markets in particular.
- **Proposals submitted under this topic should include a business case and exploitation strategy, as outlined in the introduction to this Destination.**

### Procedure:

To ensure a **balanced portfolio** covering **all three technology areas**, grants will be awarded to at least two projects in each technology area (if all thresholds attained).

**Indicative budget: EUR 48.00 million**

**EU contribution per project: EUR 5-6 million**

**Type of Action: Innovation Actions (60% funding) | Lump Sum**

**TRL: Start at 5 and achieve 7**

# Legal entities eligible for participation: Art. 22(5)

*REGULATION (EU) 2021/695 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 28 April 2021 establishing Horizon Europe – the Framework Programme for Research and Innovation, laying down its rules for participation and dissemination, and repealing Regulations (EU) No 1290/2013 and (EU) No 1291/2013*

*For actions related to Union strategic assets, interests, autonomy or security, the work programme may provide that the participation can be limited to legal entities established only in Member States or to legal entities established in specified associated or other third countries in addition to Member States. Any limitation of the participation of legal entities established in associated countries which are EEA members shall be in accordance with the terms and conditions of the Agreement on the European Economic Area. For duly justified and exceptional reasons, in order to guarantee the protection of the strategic interests of the Union and its Member States, **the work programme may also exclude the participation of legal entities established in the Union or in associated countries directly or indirectly controlled by non-associated third countries or by legal entities of non-associated third countries from individual calls for proposals, or make their participation subject to conditions set out in the work programme***



## Art. 22(5) Topics:

- 
- [HORIZON-CL4-2023-DIGITAL-EMERGING-01-40](#) Quantum Photonic Integrated Circuit technologies (RIA)
  - [HORIZON-CL4-2023-DIGITAL-EMERGING-01-43](#) Framework Partnership Agreement for developing large-scale quantum Computing platform technologies (FPA)
  - [HORIZON-CL4-2023-DIGITAL-EMERGING-01-41](#) Investing in alternative quantum computation and simulation platform technologies (RIA)
  - [HORIZON-CL4-2023-DIGITAL-EMERGING-01-50](#) Next generation quantum sensing and metrology technologies (RIA)
  - [HORIZON-CL4-2024-DIGITAL-EMERGING-01-45](#) Quantum sensing and metrology for market uptake (IA)
  - [HORIZON-CL4-2023-SPACE-01-21](#) Low cost high thrust propulsion for European strategic space launchers - technologies maturation including ground system tests
  - [HORIZON-CL4-2023-SPACE-01-22](#) New space transportation solutions and services
  - [HORIZON-CL4-2023-SPACE-01-62](#) Quantum Communication Technologies for space systems
  - [HORIZON-CL4-2023-SPACE-01-63](#) Quantum Space Gravimetry Phase-A Study
  - [HORIZON-CL4-2023-SPACE-01-72](#) Space technologies for European non-dependence and competitiveness
  - [HORIZON-CL4-2023-SPACE-01-23](#) Modern, flexible and efficient European test, production and launch facilities
  - [HORIZON-CL4-2024-SPACE-01-36](#) Copernicus for Security
  - [HORIZON-CL4-2024-SPACE-01-64](#) Quantum Space Gravimetry Phase-B study & Technology Maturation
  - [HORIZON-CL4-2024-SPACE-01-73](#) Space technologies for European non-dependence and competitiveness
-

## CLUSTER 1: SAÚDE



ANABELA  
ISIDRO



AFONSO  
DUARTE



ISABEL  
CARVALHO-OLIVEIRA

## CLUSTER 2: CULTURA E CRIATIVIDADE



MAFALDA  
DOURADO



NATÁLIA  
DIAS



MARGARIDA  
OLIVEIRA

## CLUSTER 3: SEGURANÇA CIVIL PARA A SOCIEDADE



ANA  
SUTCLIFFE



MARGARIDA  
OLIVEIRA



POLINA  
PEREIRA

## CLUSTER 4: DIGITAL, ESPAÇO E INDÚSTRIA



CRISTIANA  
LEANDRO



ELISABETE  
PIRES



MARTA  
PINTO



SOFIA  
AZEVEDO



JOÃO NUNO  
FERREIRA



DANIEL  
FERREIRA



HUGO  
COSTA



JOAN  
ALABART



MARTA  
GONÇALVES

## Pontos de Contacto Nacional | Pilar II

### CLUSTER 5: CLIMA, ENERGIA E MOBILIDADE



CRISTIANA  
LEANDRO



LUÍS  
MAIA



MARTA  
PINTO



MARIA JOÃO  
FERNANDES

### CLUSTER 6: CLIMA, ENERGIA E MOBILIDADE



ANA  
SUTCLIFFE



MARIA JOÃO  
FERNANDES



MARGARIDA  
SANTOS



RICARDO  
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