

Belgium – IT services: consulting, software development, Internet and support – Platform for Advanced Virtual Human Twin (VHT) Models**OJ S 91/2024 10/05/2024****Contract or concession notice – standard regime - Change notice
Services**

1. Buyer**1.1. Buyer**

Official name: European Commission, DG CNECT - Communications Networks, Content and Technology

Legal type of the buyer: EU institution, body or agency

Activity of the contracting authority: General public services

2. Procedure**2.1. Procedure**

Title: Platform for Advanced Virtual Human Twin (VHT) Models

Description: A virtual human twin (VHT) is a computational model of human patho-physiological processes at different anatomical scales. VHTs hold enormous potential in health and care, namely by delivering on personalised care from targeted prevention to tailored clinical pathways and supporting healthcare professionals in virtual environments (e.g. from medical training to surgical intervention planning) and the virtual worlds. They can make a significant contribution to achieving the goals of the European Health Union. The main objective of this action is to develop a distributed platform making available to users (1) a federated repository of VHTs related resources, (2) a combined set of open source software toolkits, and (3) access to computational services, enabling them to develop, test and integrate VHT models. The software toolkits to access the platform repository and services will be deployed and hosted by each user organisation or institution. The platform will be used by researchers, developers, engineers, practitioners, innovators in the health and care domain, including for professional training and educational purposes. It will provide controlled and secure access to an environment of simulation and visualisation tools. It will also include openly accessible and proprietary data and model assets for advanced modelling. The platform will be used for developing, testing and integrating existing and new VHT models, based on reference datasets, other research outputs and user resources, and will be fully interoperable with augmented and virtual reality environments. Its use will be based on access to computational services enabled by strategic digital capabilities (e.g. HPC, cloud, edge computing, AI), with links to suitable testing and experimentation facilities (e.g. the healthcare TEF for AI) and other resources becoming available in the context of the European Health Data Space.

Procedure identifier: 16cc3c6a-844a-42d4-9746-dcc7444b8001

Internal identifier: EC-CNECT/LUX/2024/OP/0014

Type of procedure: Open

2.1.1. Purpose

Main nature of the contract: Services

Main classification (cpv): 72000000

IT services: consulting, software development, Internet and support

2.1.3. Value

Estimated value excluding VAT: 24 000 000,00 EUR

2.1.4. General information

Additional information: Due to security, participation in this call for tenders is restricted on the basis of article 12(6) of the Digital Europe Programme Regulation: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32021R0694>. -In case of unavailability or disruptions in the functioning of the electronic means of communication provided in Section 5.1.11 in the last 5 calendar days before the time limit for receipt indicated in Section 5.1.12, the contracting authority reserves the right to extend this time limit and publish the extension at the Internet address provided in Section 5.1.11, without a preceding publication of a corrigendum to this notice. Economic operators interested in this procurement are invited to subscribe to the call for tenders at the address in Section 5.1.11 in order to get notified when new information or documents are published.

Legal basis:

Regulation (EU, Euratom) 2018/1046

2.1.6. Grounds for exclusion:

Bankruptcy: For the full list of exclusion grounds please consult the procurement documents.

5. Lot

5.1. Lot: LOT-0001

Title: Platform for Advanced Virtual Human Twin (VHT) Models

Description: A virtual human twin (VHT) is a computational model of human patho-physiological processes at different anatomical scales. VHTs hold enormous potential in health and care, namely by delivering on personalised care from targeted prevention to tailored clinical pathways and supporting healthcare professionals in virtual environments (e.g. from medical training to surgical intervention planning) and the virtual worlds. They can make a significant contribution to achieving the goals of the European Health Union. The main objective of this action is to develop a distributed platform making available to users (1) a federated repository of VHTs related resources, (2) a combined set of open source software toolkits, and (3) access to computational services, enabling them to develop, test and integrate VHT models. The software toolkits to access the platform repository and services will be deployed and hosted by each user organisation or institution. The platform will be used by researchers, developers, engineers, practitioners, innovators in the health and care domain, including for professional training and educational purposes. It will provide controlled and secure access to an environment of simulation and visualisation tools. It will also include openly accessible and proprietary data and model assets for advanced modelling. The platform will be used for developing, testing and integrating existing and new VHT models, based on reference datasets, other research outputs and user resources, and will be fully interoperable with augmented and virtual reality environments. Its use will be based on access to computational services enabled by strategic digital capabilities (e.g. HPC, cloud, edge computing, AI), with links to suitable testing and experimentation facilities (e.g. the healthcare TEF for AI) and other resources becoming available in the context of the European Health Data Space.

Internal identifier: EC-CNECT/LUX/2024/OP/0014

5.1.1. Purpose

Main nature of the contract: Services

Main classification (cpv): 72000000

IT services: consulting, software development, Internet and support

5.1.3. Estimated duration

Duration: 48 Months

5.1.5. Value

Estimated value excluding VAT: 24 000 000,00 EUR

5.1.6. General information

Reserved participation: Participation is not reserved.

Procurement Project fully or partially financed with EU Funds.

Information about European Union funds

EU funds programme: Digital Europe Programme

The procurement is covered by the Government Procurement Agreement (GPA)

Information about previous notices:

Identifier of the previous notice: 120526-2024

5.1.9. Selection criteria

Criterion:

Type: Suitability to pursue the professional activity

Description: Please consult the procurement documents.

Criterion:

Type: Economic and financial standing

Description: Please consult the procurement documents.

Criterion:

Type: Technical and professional ability

Description: Please consult the procurement documents.

5.1.10. Award criteria

Criterion:

Type: Quality

Description: Please consult the procurement documents.

Weight (percentage, exact): 60

Criterion:

Type: Price

Description: Please consult the procurement documents.

Weight (percentage, exact): 40

5.1.11. Procurement documents

Deadline for requesting additional information: 30/05/2024

Address of the procurement documents: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/tender-details/16cc3c6a-844a-42d4-9746-dcc7444b8001-CN?#anchorDocuments>

Ad hoc communication channel:

Name: Funding and Tenders Portal

URL: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/tender-details/16cc3c6a-844a-42d4-9746-dcc7444b8001-CN?#anchorDocuments>

5.1.12. Terms of procurement

Terms of submission:

Electronic submission: Required

Address for submission: <https://webgate.ec.europa.eu/digit/opsys/esubmission?cftUuid=16cc3c6a-844a-42d4-9746-dcc7444b8001>

Languages in which tenders or requests to participate may be submitted: Bulgarian, Czech, Danish, German, Greek, English, Spanish, Estonian, Finnish, French, Irish, Croatian, Hungarian, Italian, Lithuanian, Latvian, Maltese, Dutch, Polish, Portuguese, Romanian, Slovak, Slovenian, Swedish

Electronic catalogue: Not allowed

Deadline for receipt of tenders: 07/06/2024 14:00:59 (UTC+2)

Deadline until which the tender must remain valid: 9 Months

Information about public opening:

Opening date: 10/06/2024 11:00:00 (UTC+2)

Terms of contract:

Electronic invoicing: Allowed

Electronic ordering will be used: no

Electronic payment will be used: yes

5.1.15. Techniques

Framework agreement: Framework agreement, with reopening of competition

Information about the dynamic purchasing system: No dynamic purchase system

5.1.16. Further information, mediation and review

Review organisation: Court of Justice of the European Union

8. Organisations

8.1. ORG-0001

Official name: European Commission, DG CNECT - Communications Networks, Content and Technology

Registration number: COM

Department: CNECT.H - Digital Society, Trust and Cybersecurity, CNECT.H.3 - eHealth, Well-Being and Ageing

Postal address: Rue de la Loi 200, Wetstraat 200

Town: Brussels

Postcode: B-1049

Country subdivision (NUTS): Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad (BE100)

Country: Belgium

Email: CNECT-TENDERING@ec.europa.eu

Telephone: +32 2 299 11 11

Internet address: https://ec.europa.eu/info/departments/communications-networks-content-and-technology_en

Roles of this organisation:

Buyer

8.1. ORG-0002

Official name: Court of Justice of the European Union
Registration number: CURIA
Postal address: Rue du Fort Niedergrünewald
Town: Luxembourg
Postcode: L-2925
Country subdivision (NUTS): Luxembourg (LU000)
Country: Luxembourg
Email: GC.Registry@curia.europa.eu
Telephone: +352 4303-1
Internet address: <http://curia.europa.eu>
Roles of this organisation:
Review organisation

8.1. ORG-0003

Official name: European Commission
Registration number: EUCOM
Postal address: Mondrian (CDMA), Rue du Champ de Mars 21
Town: Brussels
Postcode: B-1050
Country subdivision (NUTS): Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad (BE100)
Country: Belgium
Email: CNECT-TENDERING@ec.europa.eu
Telephone: +32 2 299 11 11
Internet address: <https://commission.europa.eu/>
Roles of this organisation:
TED eSender

10. Change

Version of the previous notice to be changed: 505a34c1-b7e4-4b02-ab47-2b9688a508bc-01

Main reason for change: Information updated

Description: Update of deadline for requesting additional information.

11. Notice information

11.1. Notice information

Notice identifier/version: 36b07f26-df7d-487e-abd7-229a8c4a9b75 - 01
Form type: Competition
Notice type: Contract or concession notice – standard regime
Notice dispatch date: 08/05/2024 13:24:34 (UTC+2)
Languages in which this notice is officially available: English

11.2. Publication information

Notice publication number: 274530-2024
OJ S issue number: 91/2024
Publication date: 10/05/2024