CITIES OF THE FUTURE
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Institute of Cybernetics NAS of Ukraine

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Description of the Organization

- Glushkov Institute of Cybernetics (GIC) of National Academy of Sciences of Ukraine (NASU) is a widely known in Ukraine and abroad scientific center for solution of fundamental and applied problems in computer science and engineering.

- GIC is a developer of the fastest Ukrainian supercomputer SCIT-4 and one of the mainframes of Ukrainian GRID supercomputing network which takes part in European Grid Infrastructure projects.

Description of the your research interest

- Department staff consists of 33 employees (researchers and software developers) and PhD students. 14 team members have PhD degree.

- The team has designed and developed a number of parallel, distributed data processing and computational applications, desktop, web, real-time software, hardware complexes and ready-to-use systems.

- Research interests and activities include: HPC, distributed computing, grids, clouds; microelectronics, smart homes, IoT; 3D seismic waves algorithms and software, geophysics; 3D scanning of objects from the real world.

Pixelated Realities: preservation of cultural heritage

- Objectives:
    - to make digital copies of real world
    - to make cloud storage of 3D models ready for CNC and 3D printing
    - to recreate lost or damaged cultural heritage
- Expected results
    - cloud storage of 3D models
    - virtual museums
    - restored historical buildings, squares and places
- In progress / done
    - cooperation with smart city initiatives, archaeologists
    - restoration of number of buildings in Ukraine
    - Tustan' fortress, Shevchenko Gai museum, Poshtova Ploshcha etc.

Consortium - profile of known partners *(if any)*

No	Partner Name	Type	Country	Role in the Project
01		RTD		
02		SME		
03		IND		
04				
05				
06				
07				
08				

Consortium - required partners

No	Expertise	Type	Country	Role in the project
01		RTD		
02		SME		
03		IND		
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08				

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Recommendations

- The presentation **has to** last up to **4 minutes (maximum)**

- Do not overload your slides

- Provide weblinks to additional material

- Slides should be in English

- Do not use videos etc. – they might be not supported by the Infoday IT system

- Send your presentations in PDF format to: CoF@turkeyinh2020.eu until 23 September 2016.