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## 02/16/2023 Metaverse Standards Forum: Real-Virtual World Integration #44

funksoup started this conversation in **Real-Virtual World Integration**



**funksoup** on Feb 16 Maintainer

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Metaverse Standards Forum: Real-Virtual World Integration  
Thursday, 16 February 2023 from 13:00-14:00 EST (18:00-19:00 UTC)

### Agenda:

[Working Group charter](#) approved

Brainstorming around specific deliverables for ride-hailing use-case

- High-level requirements and sub use-cases
- Existing standards
- Existing open source projects
- Ideas
- Interest level, available resources

### Key Resources and Processes:

- [Real/Virtual World Integration EG Portal](#)
- [Real/Virtual World Integration EG Proposal](#)
- [Real/Virtual World Integration GitHub](#)
- Mailing list: [realvirtual\\_world\\_int@lists.metaverse-standards.org](mailto:realvirtual_world_int@lists.metaverse-standards.org)
- MSF Discord: [#real-virtual-world-integration](#)
- [Intro Survey](#)
- [Intro Survey Results](#)

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### 3 comments

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[BRAINSTORMING: Real/Virtual World Integration Project - Deliverables](#)

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[Open Collaborative Mapping](#)

Open/Interoperable Visual Positioning Service, Spatial Anchors, Markers

Sparse point cloud framework (creation/registration/geo-alignment) and APIs. For APIs, start by evaluating GeoPose Protocol from Open AR Cloud.

Visual positioning (determining GeoPose via cameras) and APIs using data from open collaborative mapping. For APIs, start by evaluating GeoPose Protocol from Open AR Cloud.

High-level requirements and sub use-cases  
Standards

- <https://github.com/opengeospatial/GeoPose>

Open-source projects

- <https://github.com/OpenArCloud/oscp-geopose-protocol>
- <https://www.auroraviewer.org/>
- <https://lamar.ethz.ch/>
- <https://carla.org/>
- <https://illixr.org/>
- <https://github.com/naver/kapture>
- <https://github.com/colmap/colmap>
- <https://github.com/isl-org/Open3D>
- <https://github.com/cvg/Hierarchical-Localization>
- <https://overturemaps.org/>

Ideas

Interest level, available resources

- Open AR Cloud

Suggested by OpenSitePlan: Steve Smyth in Zoom chat:

OGC Testbed 19: <https://www.ogc.org/projects/initiatives/t-19>

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**funksoup** on Feb 16

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ACTION STEP:

**Contribute to the [brainstorming document](#)**-- i.e., use cases, potential open source projects to contribute to, deliverables.

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Category



Real-Virtual World Integration

Labels

None yet

1 participant

