PoliCrowd's history and purpose

✓ Born in 2013 as a **3D participative platform** to promote tourism and cultural heritage
   ➔ **crowdsourced** Points Of Interest from users' **mobile devices**
   ➔ 3D visualization on top of **NASA World Wind** virtual globe
   ➔ connection to **WMS** servers
   ➔ creation & saving **custom maps**

✓ 2.0 version in 2014
   ➔ non mono-thematic application
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   ➔ customizable data **styling**
   ➔ support for **time** dimension (4D visualization)
   ➔ **multimedia** upload & sharing

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```
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PoliCrowd architecture

SERVER SIDE

- PoliCrowd Server Application
- GlassFish Java Web Server
- PostgreSQL database

CLIENT SIDE

- PoliCrowd Client Application
- ODK API
- World Wind API

NETWORK

- ODK Servers
- WMS Servers
- NASA World Wind
PoliCrowd features

- Data **3D visualization** on NASA World Wind virtual globe
- Connection to WMS & ODK servers to create **custom maps**
PoliCrowd features

- Customizable data styling & multimedia support
- Data filtering through a time slidebar (4D visualization)
PoliCrowd & NASA WW Europa Challenge

- Winner of the 1\textsuperscript{st} and 2\textsuperscript{nd} NASA World Wind Europa Challenge (http://eurochallenge.como.polimi.it)

- Developed by our students
  - Michele Bianchi
  - Rodi Jolak
  - Marco Minghini
  - Andrés Quiñones
  - Luca Poddighe

- Under guidance of
  - Giorgio Zamboni
Thanks for your attention!

Marco Minghini
Politecnico di Milano
Geomatics Laboratory – Como Campus
Via Valleggio 11, 22100 Como (Italy)
marco.minghini@polimi.it
@MarcoMinghini
FOSS4G Europe 2015 – Save the date!

Politecnico di Milano, Como Campus (Italy), July 14-17, 2015

- workshops
- general track
- academic track
- water track
- library track
- open data track
- OSGeo Live & Geo For All
- NASA WW Europa Challenge
- mapping party
- code sprint