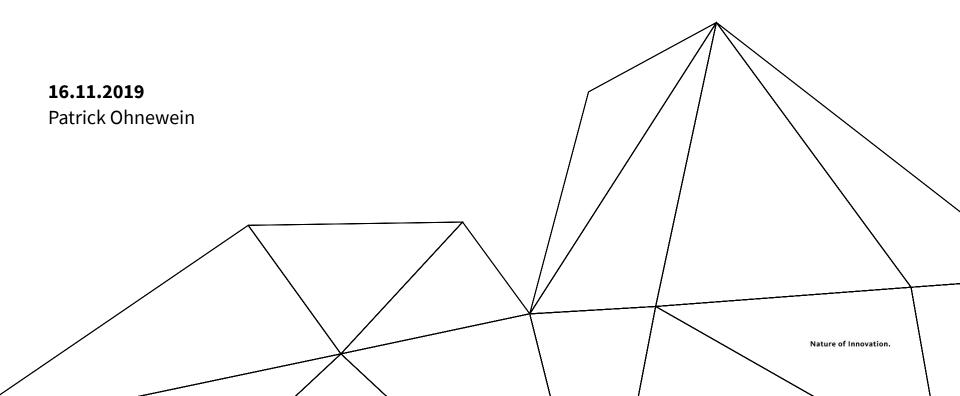
Free Software and Open Standards in Tourism





Agenda





Step 2: Understand the Challenges in Tourism

Guests ask Voice Assistants





Guests will be driven by Autonomous Vehicles



HH Sheikh Mohammed Bin Rashid Al Maktoum influencer
We are building a new reality for our people, a new future for our chil...

Follow

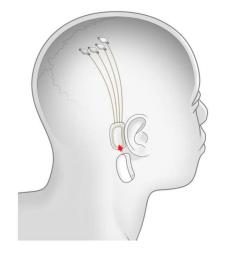
Today we launched Dubai Autonomous Transportation Strategy, by 2030, 25% of all trips in Dubai will be driverless. The strategy will help increase traffic efficiency, productivity, reduce traffic congestions and pollution & save millions of driving hours. We've also launched the Autonomous Transportation Challenge, the world's biggest RFP to global R&D centers to apply this technology in Dubai. Dubai offer's a global unique model for the city of the future & turns itself to the world largest R&D lab for driverless transportation, show less

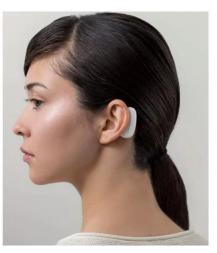


Autonomous Vehicles

By 2030, 25% of all trips in Dubai will be provided by Autonomous Vehicles.

Guests will maybe just know?





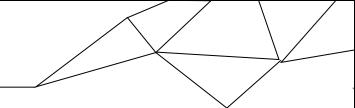
Elon Musk's **Neuralink** looks to begin outfitting human brains with faster input and output starting next year (2020)

https://techcrunch.com/2019/07/16/elon-musks-neuralink-looks-to-begin-outfitting-human-brains-with-faster-input-and-output-starting-next-year/

Step 3: Open Standards Community

AlpineBits Alliance

www.alpinebits.org



Members

- Additive+
- Altea Software Srl
- aries.creative KG SAS
- o ASA OHG
- o Brandnamic GmbH
- DESTINATION srl
- GardenaNet snc
- Giggle
- o HGV
- o IDM Südtirol
- Internet Consulting GmbH
- Internet Service GmbH
- LTS

- Marketing Factory GmbH
- o MM-One Group srl
- NOI Techpark
- Outdooractive
- o PCS GmbH
- o Peer GmbH
- Rateboard GmbH
- Schneemenschen GmbH
- SiMedia GmbH
- Südtiroler Bauernbund
- YesAlps
- Yanovis
- o ...

AlpineBits Alliance www.alpinebits.org



Step 4: Free Software Community

Open Data Hub Südtirol - Alto Adige

https://opendatahub.bz.it













OPENDATA HUB SÜDTIROL ALTO ADIGE















Agriculture

Commerce

Craftsmanship

Culture

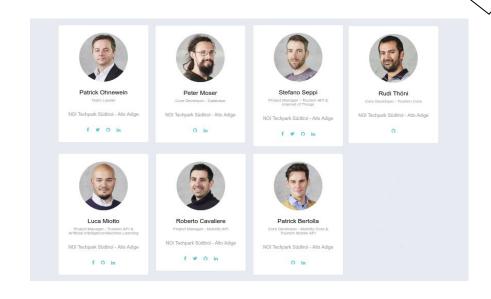
Mobility

Tourism

.

Open Data Hub Team & Community https://opendatahub.bz.it

- Team at NOI Techpark
 - 1 Team Leader
 - 3 Project Managers
 - 3 Software Architects



- Companies involved
 - ~60 companies (1006.org, Array, DR, DM, EDP, Enforcer, Konverto, ...)
 - o more than 150 developers, project managers and designers

Infrastructure: Automation and Procurement

Implement processes for community involvement! If you can document it, you can automate it!





















```
public class DataRetriever {
        private List<String> getStationTypes(EntityManager em){
               List<String> result = null;
                result = Station.findStationTypes(em)
                return result:
        public List<ChildDto> getChildren(String type, String parent)(
                EntityManager em = JPAUtil.createEntityManager();
                       Station station = (Station) JPAUtil.getInstanceByType(em, type);
                       List<ChildDto> children = null;
                       if (station != null){
                              children = station.findChildren(em.parent);
                              return children:
                }catch(Exception ex){
                }finally{
                       en.close():
        public List<TypeOto> getTypes(String type, String stationId) (
                List<TypeDto> dataTypes = null;
                EntityManager em = JPAUtil.createEntityManager();
                       Station station = (Station) JPAUtil.getInstanceByType(em, type);
                              dataTypes = station.findTypes(em, stationId);
                }catch(Exception ex){
                      ex.printStackTrace();
                }finally{
```















Clear Requirements in Procurement

Open Standards

Open Content

Free Software







Thank you