
DIST- DISPERSAL INTELLIGENT SUSTAINABLE TOURISM

TEAM:

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Problem & current situation

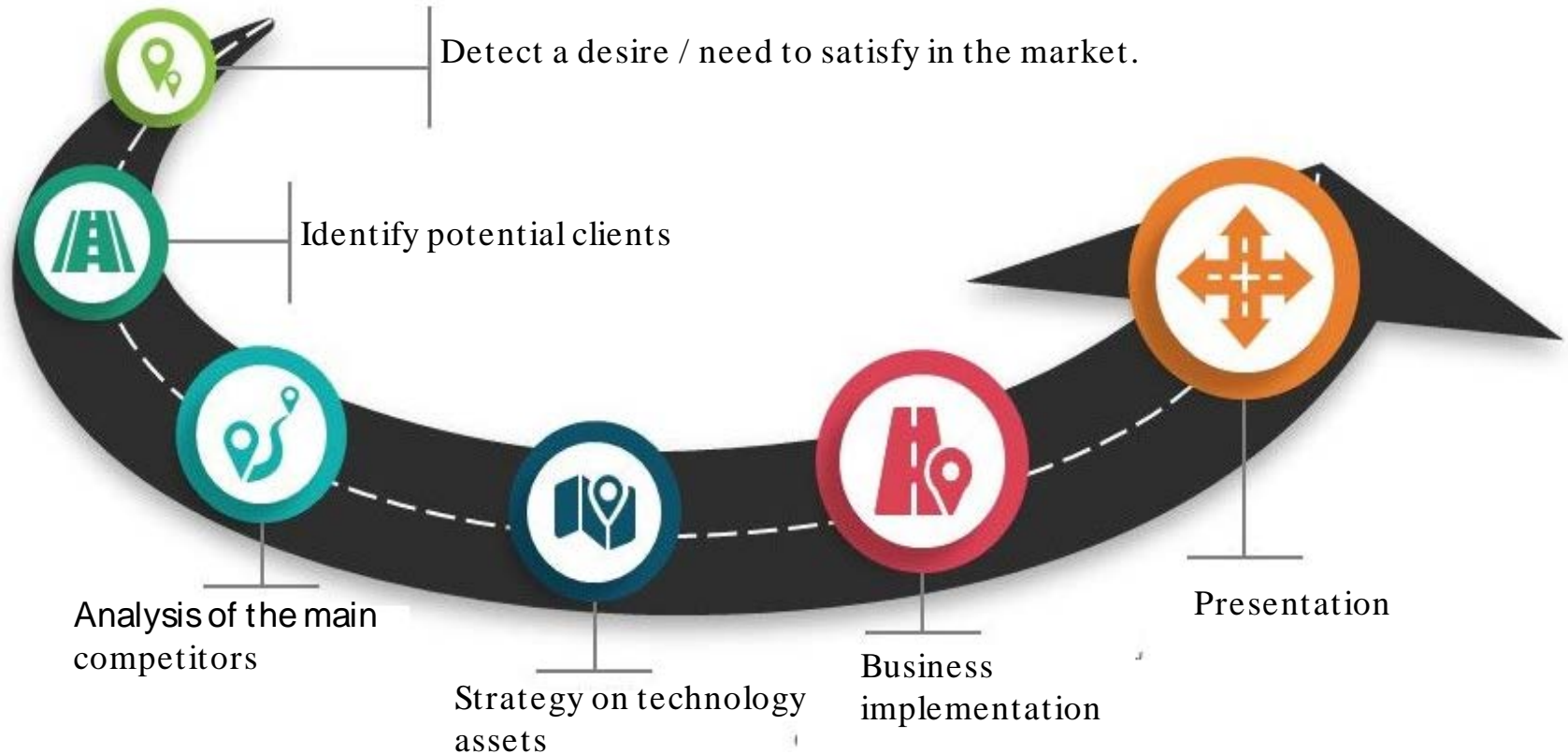
- Covid impact highly Tourist Sector. High Covid risks and social distance.
- Lack of information for making safe and pleasant our destinations.
- Insufficient information for touristic community and governments for risk management.

Solution

Give people safe and joyfulness places and to nature time to breathe.



Our work: From idea to a viable project



Competitors International



Competitors National/ Local



- Our software challenges them on the basis of features and business model



Competitive Advantages



Touristic Real Time Guidance



Travelling Guidance



Environmental Monitoring
Indicators



Covid growth observation



Easy web and mobile based solution



Best price

Our potential market

1. LOCAL/ INTERNATIONAL TOURIST SECTOR

2. ADMINISTRATIONS AND MANAGEMENT ORGANIZATIONS

Technical Feasibility

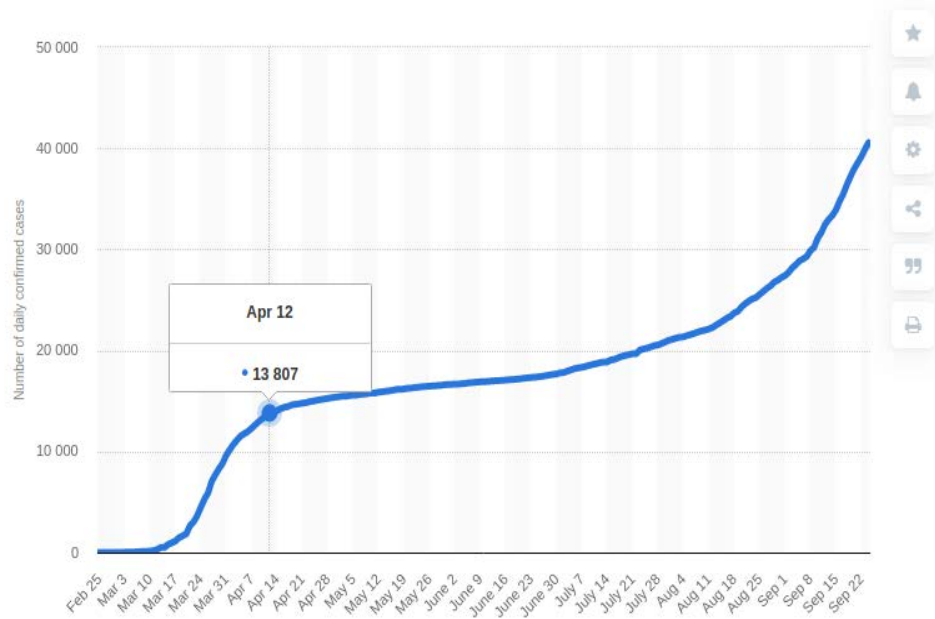
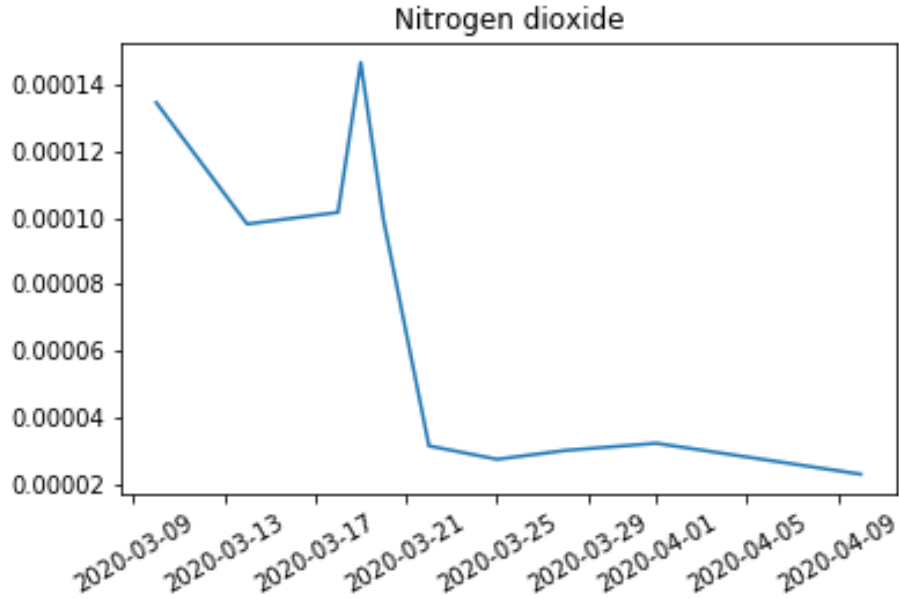
Crowd density through Sentinel 5

- Onda VM as data source for Sentinel 5 Level 2 data
- UV Aerosol Index, Methane, Carbon Monoxide...
- Area of Interest: Vienna
- time-span: February to April 2020
- Comparison to daily Covid cases
- Results: Nitrogen dioxide decreased at the peak of Covid cases

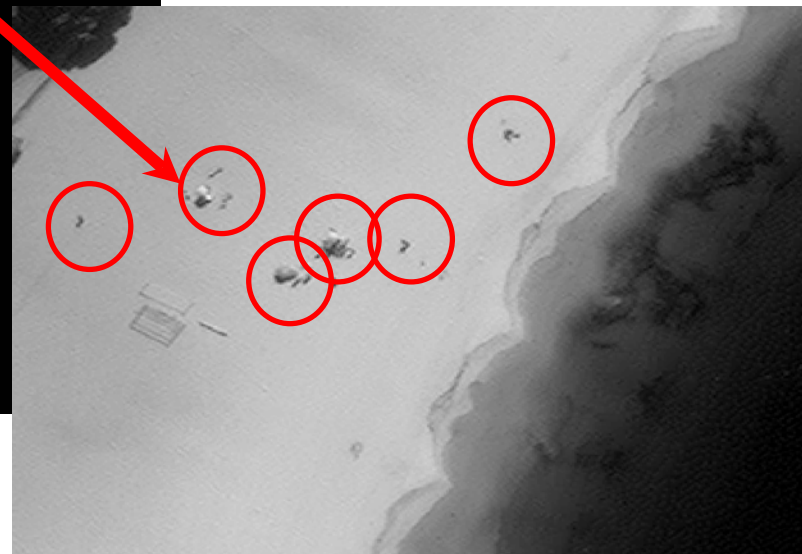
Crowd density through High Resolution images & machine-learning

- digitalGlobe data - DEIMOS-2
- Resolution: 1-m panchromatic and 4-m multispectral (MS)
- Area of Interest: Barcelona
- **Results:** Identification of people positioning in Barceloneta Beach
- Convolutional-neural-network (CNN)-based image counting

Result



Barcelona metropolitan area 2015/ 05731



Technologies



Business Model

€1.5 - 4.5 mil / year



Monthly subscription services & Freemium (B2C)



\$10/mon



Additional on-demand services available. (i.e) Customization according to customer preferences.



Selling SDKs & APIs (B2B)



\$150



Plan

MVP



M

Minimum

Easy Interface and
high proxy in
crowd information



V

Viable

+ Accurate
environmental indicators
+ Real time data

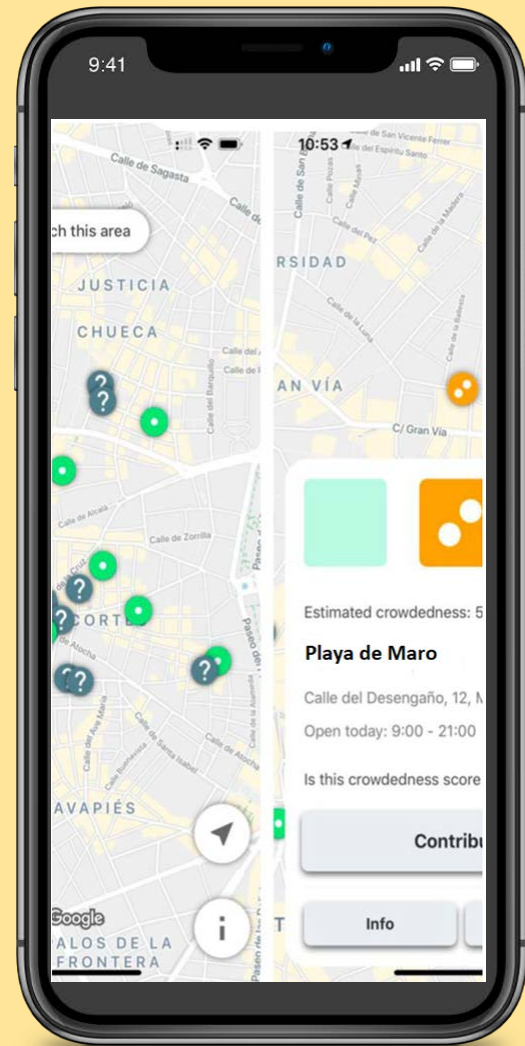
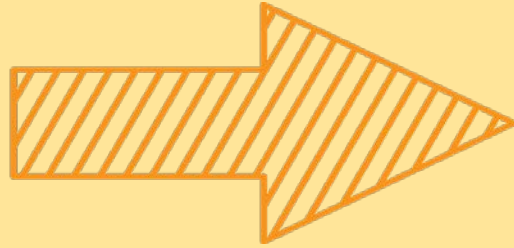


P

Product

+ GPS interface in
additional key
information

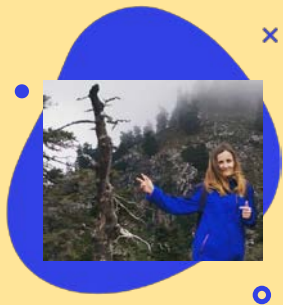
App Interface



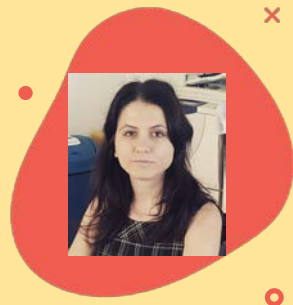
Business escalation



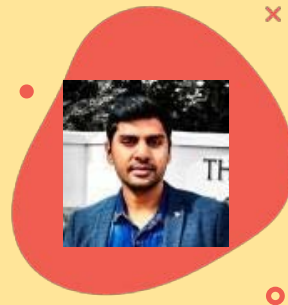
Our Diverse AI Team



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Iulia Sandut
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Mahabir Gupta 
Software Engineer(Sweden)



Luis Partida
Systems & Web Developer (Spain)

GitHub - link: <https://github.com/jroehrenbach/s5tourism>



Thank you

**Copernicus
Hackathon**

Organizers

Mentors

