

Functioning prototype of IoT and composite indicators for Smart Port environmental monitoring



IEEE International Mediterranean Conference on Communications and Networking
7-10 September 2021 // Hybrid: In-Person and Virtual Conference



This Communication is part of a project that has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N°769355



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Demos

Demo Session 1

Date/Time: Friday, Sept. 10th, from 09:30 AM to 11:00 AM

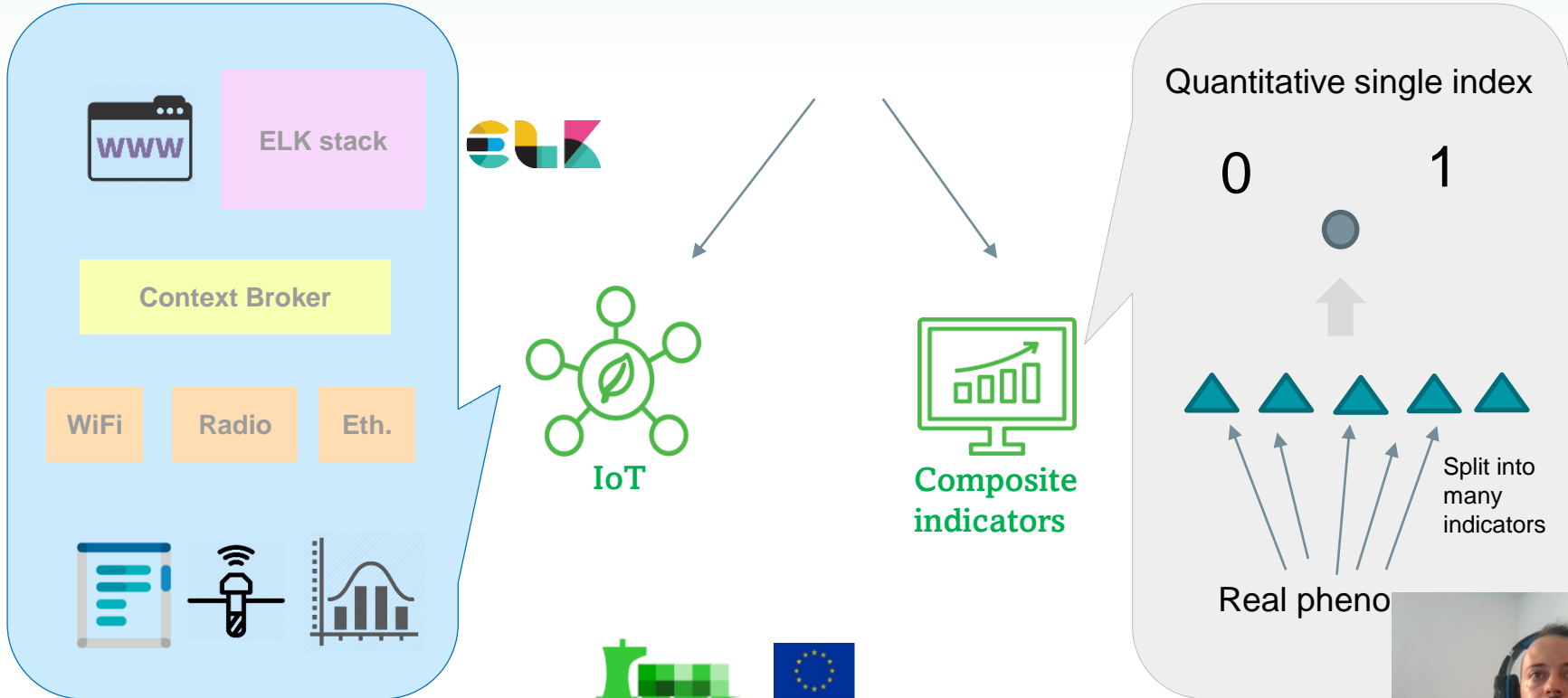
Chairs: Harilaos Koumaras (NCSR Demokritos, Technology, Sweden)

1) Functioning prototype of IoT and composite indicators

Ignacio Lacalle (Universitat Politècnica de València, València, Spain); Carlos E Palau (Universitat Politècnica de València, València, Spain); Stjepan Pilicic and Matija Siroka (MEDRI, Croatia)



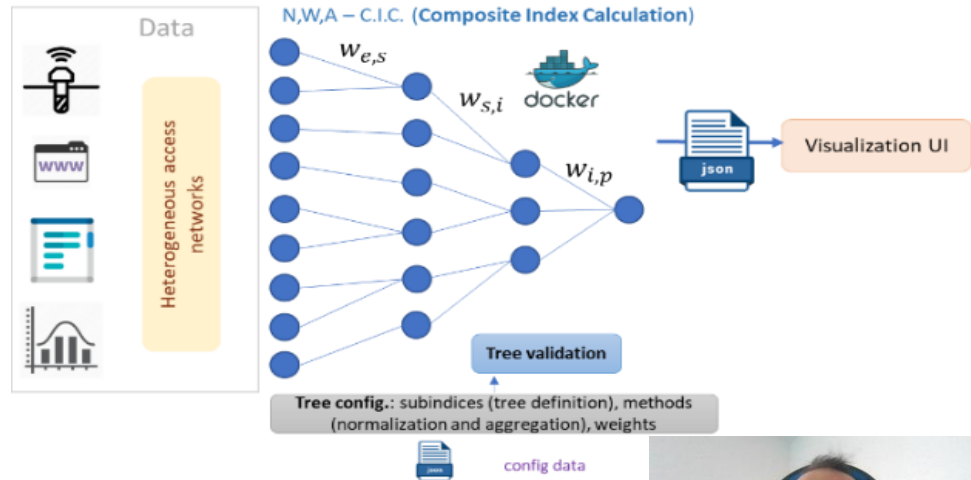
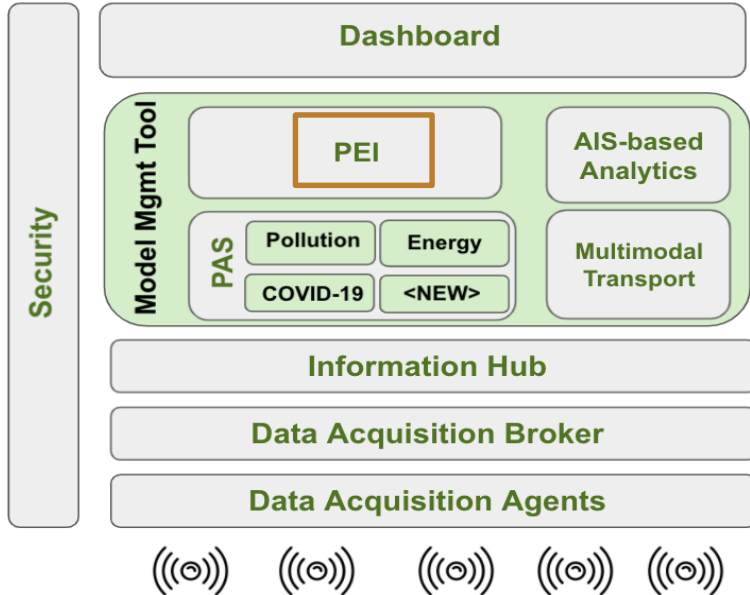
Context of the prototype



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Technology behind the demonstration



Innovations achieved by the prototype

- Successful integration of heterogeneous sources in the first IoT platform specifically designed for maritime ports vertical.
- Combination of open source technologies to achieve a successful demonstration in a relevant environment.
 - Currently running pilot in the Port of Thessaloniki.
- Demonstrating the usefulness of composite indicators to grasp the impact to the environment of such Industry.
- First system tackling the specific goal: quantitatively, uniquely, measuring the impact to the environment of maritime ports, simplified in an index between 0 and 1

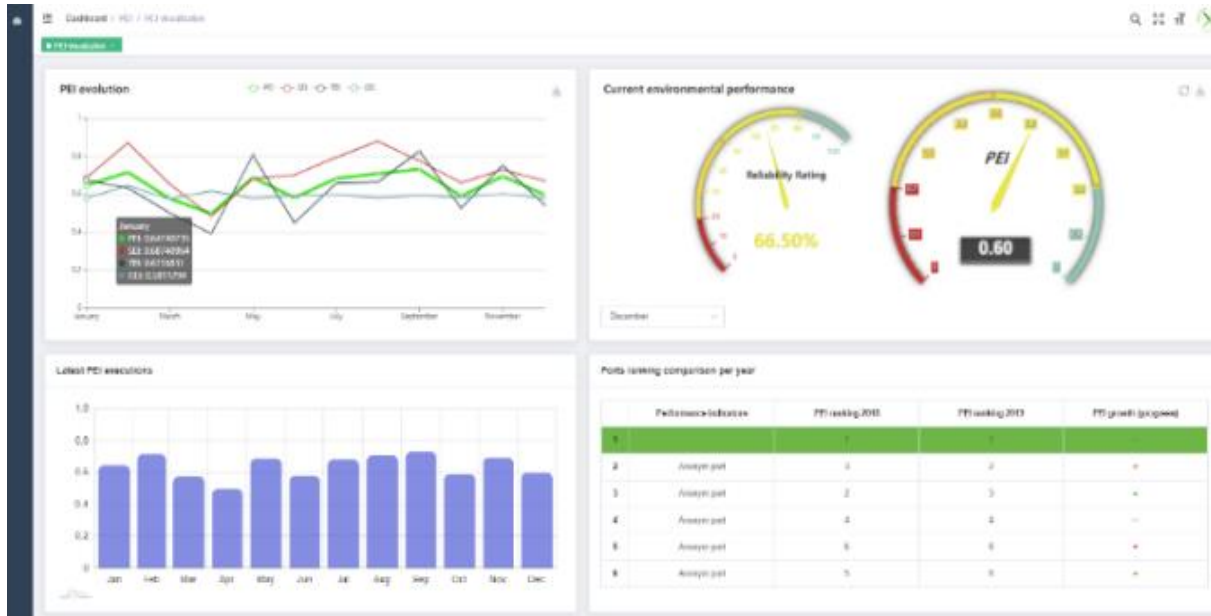


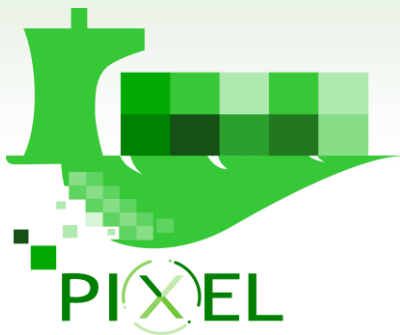
What the result looks like

UI representation



To be shown in the demo afterwards





THANK YOU

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