



IoT Week Bilbao 2018

4-7 JUNE 2018, BILBAO (SPAIN)

EUSKALDUNA CONFERENCE CENTRE

IK4  TEKNIKER

Research Alliance

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9th of June, 2017

1

Host Committee details and presentation



- Non-profit private research organization
- Member of IK4 Research Alliance
- AIOTI, ARTEMIS, EPoSS
- 280 researchers
- Turnover: 24M€



16 different units: 3 units on IoT (>60 researchers)

- **Electronics and Communications**
- **Autonomous and Intelligent Systems**
- **Intelligent Information Systems**



FIELD	PROJECT / ACTIVITY
Manufacturing and maintenance	TWIN-CONTROL
	POWER-OM
	T-REX
	MANTIS
	CO-FACTOR
	ATTEN2
Smart Cities	Arrowhead
	Dewi
Smart farming	IOF2020

FIELD	PROJECT / ACTIVITY
Security	eVACUATE
	INACHUS
	ZONESEC
Energy	AMBASSADOR
	TIBUCON
	URBGRADE
	EPIC-HUB
	Local4Global
	HIT2GAP

1. International Seminar on Improving Machine Tool Performance. San Sebastián, July 1998.
2. 13th International Symposium for Electromachining (ISEM XIII). Bilbao, May 2001.
3. CIRP General Assembly. San Sebastián, August 2002.
4. Sixth International Conference on High Speed Machining (HSM). San Sebastián, March 2007.
5. IV Congreso Ibérico de Tribología (IBERTRIB 2007). Bilbao, June 2007.
6. Lubrication Management and Technology Conference and Exhibition (LUBMAT'08). San Sebastián, June 2008.
7. 9th International Conference of the European Society for Precision Engineering and Nanotechnology (EUSPEN 2009). San Sebastián, June 2009.
8. 22nd International Congress on Condition Monitoring and Diagnostic Engineering Management (COMADEM 2009). San Sebastián, June 2009.
9. Ninth International Conference on High Speed Machining Conference: Progress in Productivity. San Sebastián, March 2012.
10. Lubrication, Maintenance and Tribotechnology (LUBMAT'12). Bilbao, June 2012.
11. Lubrication, Maintenance and Tribology (LUBMAT'16). Bilbao on June 7-8th 2016, in Euskalduna Jauregia.
12. European Conference on Nanofilms (ECNF2016). Bilbao, 19-21st October 2016. Bizkaia Aretoa.

2

Information on the Venue



- Euskalduna Conference Centre, Bilbao
- Located in the city centre
- Best conference building in the World in 2013



Auditorium for 2,164 persons



17 different rooms (from 25 to 600 persons)



Exhibition hall of 4,200 sq.m.

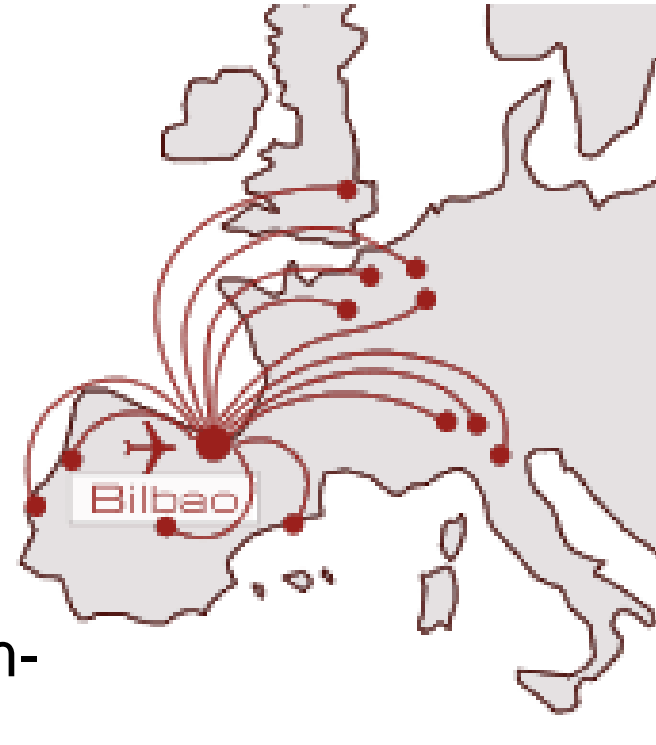


3

Logistics for participants



- Direct flights from most Europe
 - France (Paris)
 - Germany (Frankfurt, Munich, Düsseldorf, Stuttgart)
 - Italy (Rome and Milan)
 - Belgium (Brussels)
 - UK (London)
 - Portugal (Lisbon)
- 12 km from the City Centre
- Connection buses every 20 minutes (5am-24pm)



- More than 3,000 rooms

<u>Hotel</u>	<u>Stars</u>	<u>Cost (€)</u>	<u>Distance(m)</u>
Hotel Meliá	5	140	180
Hotel NH Villa de Bilbao	4	110	220
Hotel Hesperia Zubialde	4	111	600
Hotel NH Deusto	4	97	700
Hotel Ilunion Bilbao	3	83	350
Hotel Ibis Bilbao Centro	3	73	1,500

- Occupation rate in June 70%

4

Specific environment and impact



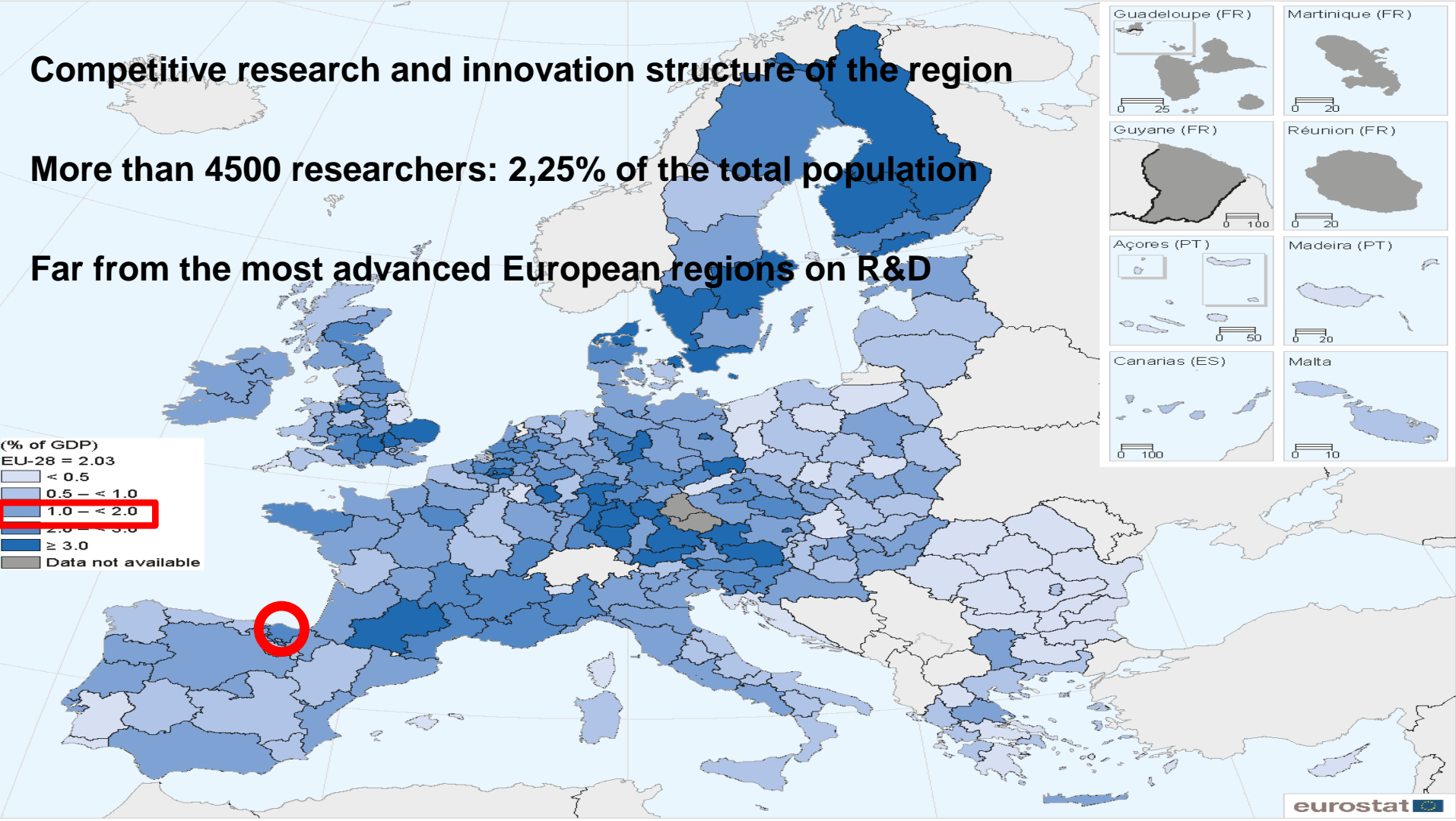
- Bilbao located in the Basque Country
- Population of 2,166,184 (5% of Spain)



- The 24% of its GDP comes from industry (15billion €):
 - Spain is around 17%.
 - Catalonia no more than 18%.
- Basque Country represents 8.5% of the GDP of the Spanish industry.
- 12,869 industry companies with 191,957 employees
 - 2,455 are manufacturing companies
 - workforce of 182,421 employees.
 - 95% of those industrial companies are Micro or small SMEs.
- Due to the crisis, 2,460 industrial entities have disappeared from 2008 to 2013

- Basque Country government and the industrial entities investment Industry 4.0 and IoT
 - 700M € on research and innovation activities → 1,1% of the GDP
 - 70% of the total investment on research and innovation activities

Far from the most advanced European regions on R&D





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**THANK YOU VERY MUCH
ESKERRIK ASKO
MUCHAS GRACIAS**