NODO “S”: Stations as nodes of Sustainability and Responsibility

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Parallel Session: 2b Innovative Management
smart? intelligence?
Del lat. intelligentia.

1. f. Ability to understand or **comprehend**.
2. f. Ability to **solve problems**.
4. f. Meaning in which an expression can be taken.
5. f. **Skill**, capacity and experience.
Data Connections Decisions
“intelligence”
And the stations?
what is a smart station?
Technology
Digitalisation
Hyperconnection
Quickness
ITC yes, but, for what...?
“We need to give purpose to digital revolution”

Ellen MacArthur Foundation
ITC for ........

faster
more efficiency
better service
it`s enough?
NO
Del lat. intelligentia.

1. f. Ability to understand or **comprehend**.
2. f. Ability to **solve problems**.
4. f. Meaning in which an expression can be taken.
5. f. **Skill**, capacity and experience.
Purpose:

“respond to the challenges of our business and consumption model, our mobility challenges, our social and environmental challenges”.
NODO S: STATIONS AS NODES OF SUSTAINABILITY AND RESPONSABILITY
Because the intelligence is completely useless if it’s not at the service of.....

Resolve problems
To face challenges

It’s completely useless if it doesn’t help us be happier.
The station as a “social actor”
PROBLEMS / CHALLENGES OF CITIES AND COUNTRIES:

✓ Consumption of natural resources
✓ Air pollution and Climate Change
✓ Social gap in the cities and between cities
✓ Need for dialogue, coexistence, culture, …
Convert stations into social transformation agents

how?
Evolution of Stations
TRADITIONAL STATION

Transport node

Integrated transport node in cities

FUTURE STATION

Integrated and digitized transport node

Integrated transport node, digitized, and SUSTAINABLE
There can be no intelligence if we don’t put the technology at the service of an integrative and respectful development with the planet.
STATION AS NODES

Functionality
Security
Design
Service
Cost

Social Connection
Economic Revitalization
Environmental Commitment
Digitalisation

NODO S: STATIONS AS NODES OF SUSTAINABILITY AND RESPONSABILITY
STATION AS NODES

360º

Social Connection
Economic Revitalization
Environmental Commitment

NODO S: STATIONS AS NODES OF SUSTAINABILITY AND RESPONSIBILITY
STATION AS NODES
STATION AS NODES

- Construction
- Operation
- Demolition/Reuse

360°

- Economic
- Environmental
- Social

360°
ADIF & ADIF-HS: PROJECTS STATIONS AS NODES:

- **SOCIAL INCLUSION:** Dialogue Project
- **CULTURE AND VALUES:** Open Station Program
- **SUSTAINABLE MOBILITY:** Last Green Mile Area
- **SUSTAINABLE BUILDING:** 360º Sustainable Station Handbook
- **CITY AND EFFICIENCY CONNECTION:** P.D. Digitized Stations
- **CIRCULAR ECONOMY:** “Recovery of Assets in Disuse” Program
Open Station Program (2007-2016)

- **Values**
- **Education**
- **Culture**

<table>
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<th>2016 DATA</th>
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<tr>
<td>314 actividades</td>
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<td>6,8 millones de impactos personales</td>
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<td>8,53 Valoración media de la actividad</td>
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<td>9,06 Valoración de la colaboración de Adif</td>
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Open Station Program
Last Green Mile Area

Sustainable Mobility: “door-to-door zero emissions”

0 CO₂ emissions
Last Green Mile Area

- Clean Energy Recharge Point
  (E.g.: Ferrolinera ® Project)
- Logistic Hub with ecological vehicles
- Special waste management
- Information, Awareness raising & Dissemination
- Car/motorcycle/ bicycle “sharing”
  Rent a car of ecological vehicles

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“Recovery of Assets in Disuse” Program

> 500 Buildings
  Old stations
  Building with no declare use
  (Workshops, Docks, Ships, etc.)
  Stations with unused buildings

4.763 kilometers of tracks
Mérida Hostel
360º Sustainable Station Handbook

Phases

Areas of action
- Contracting suppliers
- Accessibility
- Dialogue with citizens
- Cultural & Awareness activities
- Location and sustainable architecture
- Energy
- Waste management
- Impact on the environment
- Water management
- Materials
- Atmosphere and noise
- Work environment

46 Sheets
STATIONS AS NODES

Acting from Corporate Responsibility (CSR)

To contribute to a more sustainable development model
NODO S: STATIONS AS NODES OF SUSTAINABILITY AND RESPONSIBILITY
Smart Living
THANK YOU
GRACIAS