



Private/public partnership in road construction



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> Origin of IDRRIM

Voluntary Commitment Agreement in 2009 : creation of IDRRIM

➤ Objectives of the Agreement :

- Improve the use of recycling materials
- Reduce greenhouse gas emissions and energy consumption
- Development of eco-comparators
- Participate in the development of research project and broadcast innovation
- Recast the national road doctrine

➤ Creation a French partnership Institute

> IDRRIMs missions

IDRRIM : Institute of Roads, Streets and Infrastructures for Mobility

- 1** Federate and mobilize
the actors of the profession
- 2** Establishment
of a sharing reference system
- 3** Contribute to qualification
of all actors
- 4** Promote the French excellence
on mobility infrastructures



IDRRIM's community

Individual members

- Local authorities
- Compagnies
- Engeneering companies
- Individual Engineers



› IDRRIM's actions

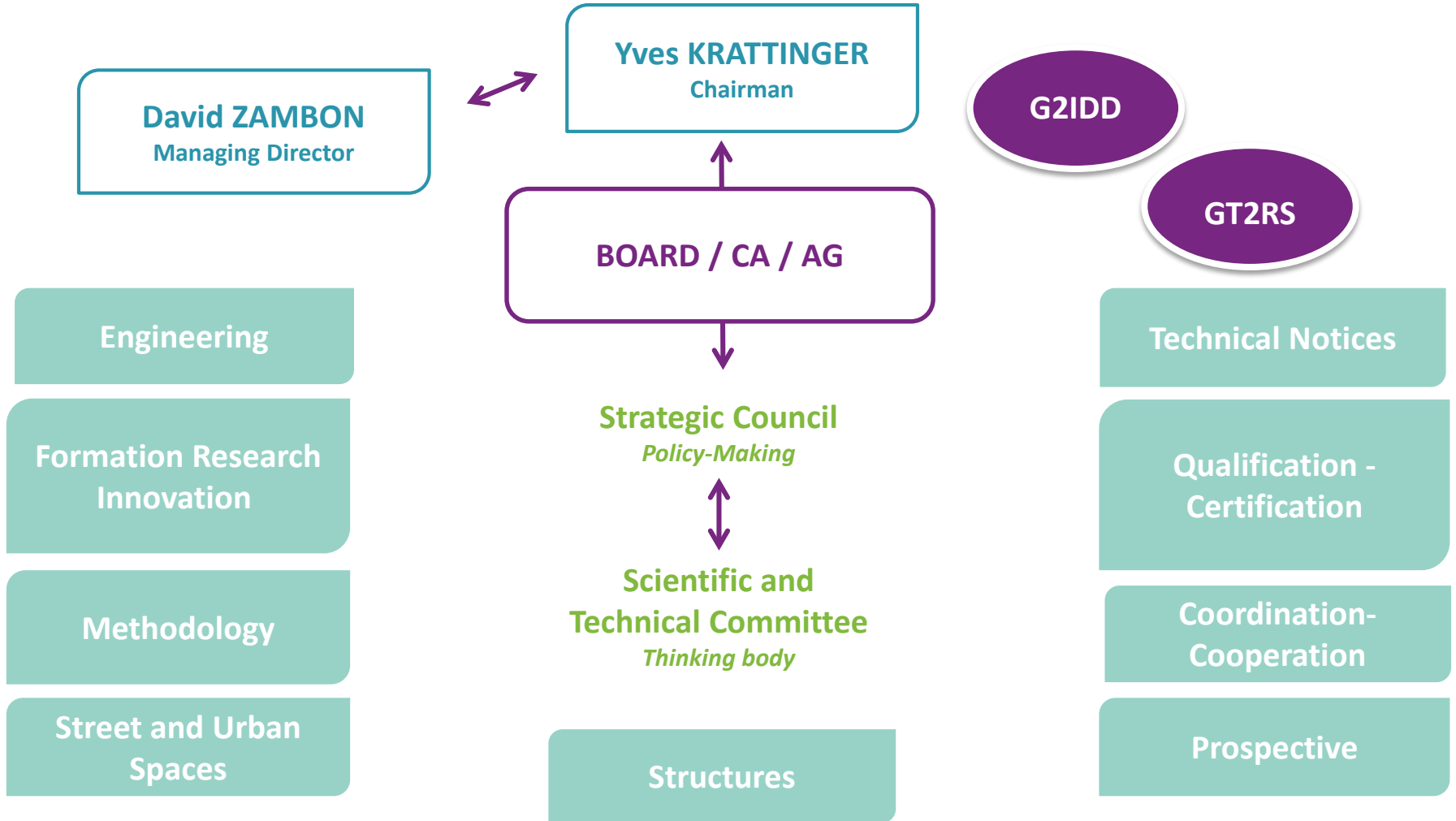
Four main working axes

- Environmental issues
 - Infrastructure asset management
 - Promoting Innovation
 - Quality, skills, qualifications
- + Transversal actions (prospective, security on construction site, BIM & numeric...)

Our publications: <https://www.idrrim.com/publications/>

Organization

9 operational committees



Key numbers



50 institutional organizations
67 individual members



9 operational committees



1 web site
www.idrrim.com



A monthly newsletter



+ 20 publications per year
200 files online



1 biennial congress
and many more events

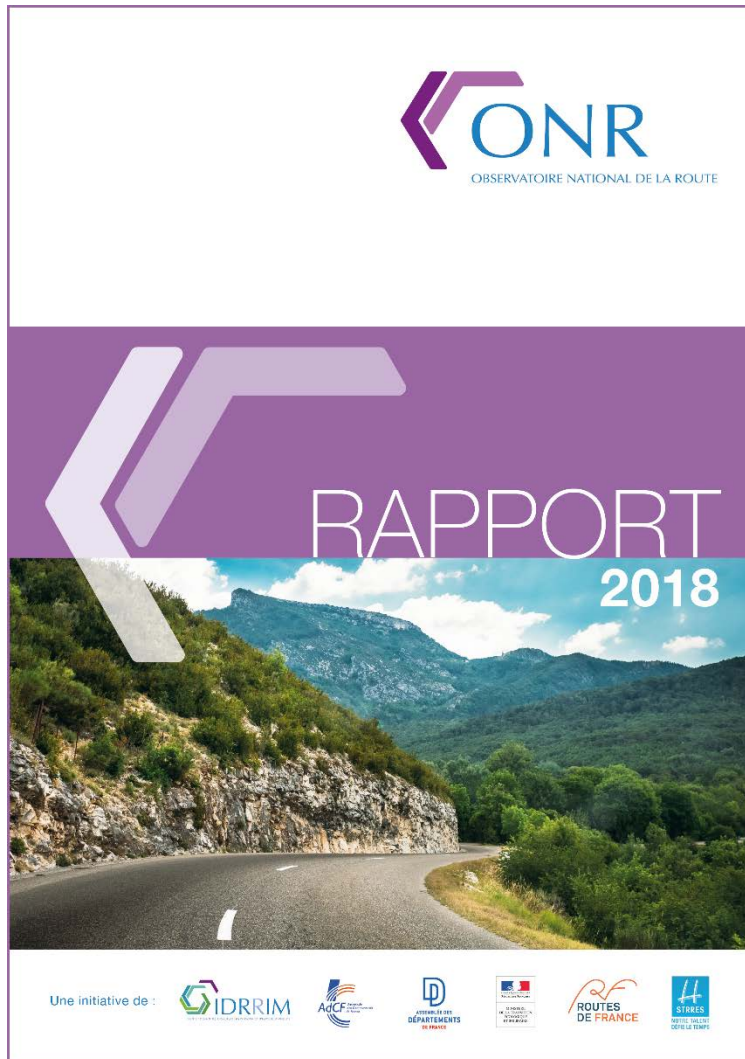


4 operational activities



1 Road's National Observatory

➤ Road's National Observatory



Create in 2016 (2nd report in 2018)

2 objectives :

- ❖ Sharing the knowledge to evaluate the technical politic's efficacy for a economic management of roads infrastructure
- ❖ Objectify the state of road network in order to inform principals on how optimize their mission efficiency
- ❖ **Panel :**
 - National roads (12 000 km & 18 000 engineering structures)
 - 65 departments (+ 200 000 km & 113 000 engineering structures)

➤ <https://www.idrrim.com/ONR/>

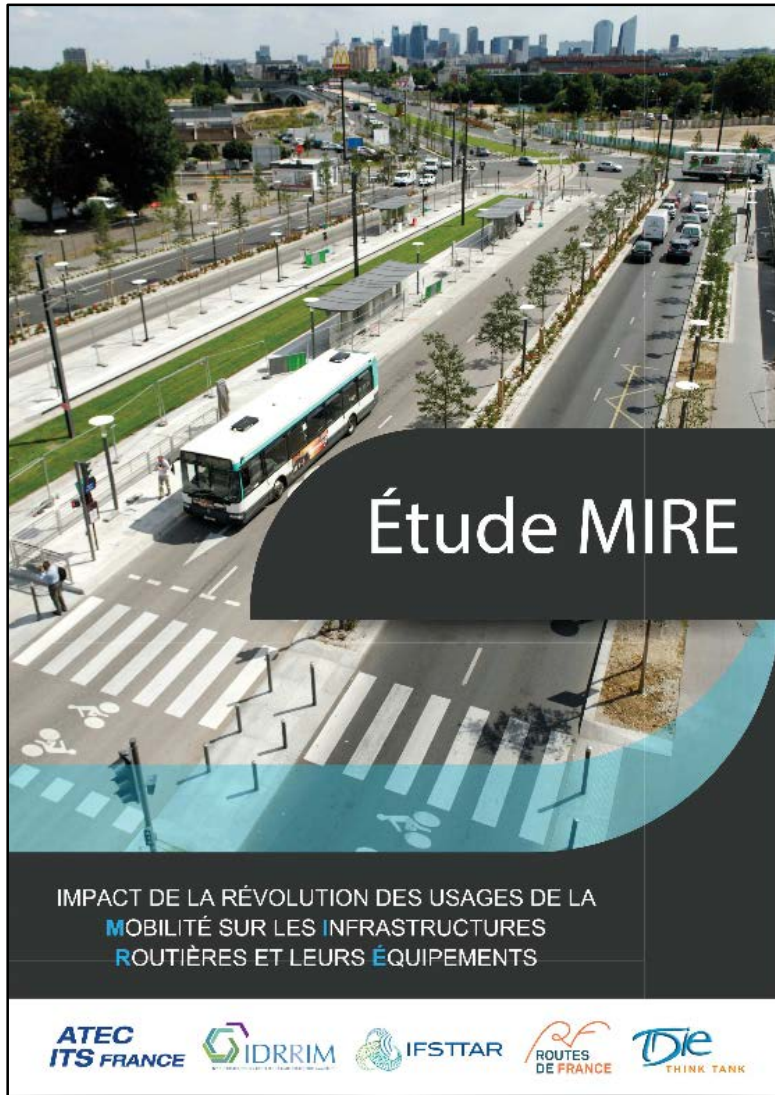
Which place for road infrastructures in the evolutions of mobility ?



Origin of the reflexion

- **Publication of a document in the French political context : « *Which performance of the road in the service of mobility for all ?* » (2017) with partners**
 - ✓ Having an asset management of road, in the service of « *daily mobility* » of today & tomorrow
 - ✓ Challenges headed by road network future
- **Launching a prospective study on the impact of mobility using revolutions on road infrastructures and equipments**
 - What will be need the road of tomorrow ?
 - Which services will the road be able to deliver (energy, numeric, mobility...)?
 - How to answer these expectations ?

Publication of the study



Impacts of the revolution of the uses of the Mobility on the Road Infrastructures and their Equipments

- Publication in March 2019
- ❖ Resulting from a collective reflexion
- ❖ Three notes of problematics :
 - Road and connected, cooperative and autonomous vehicle
 - Road and energetic and ecologic transition
 - Road and numeric transition
- ❖ Orientations for the future

Challenges for the future of road network

- Ensure the performance of its various functionalities
- Unity or diversity of the road network ?
- Finance the maintenance, regeneration and modernization of road assets
- Ensuring consistency of major options and technical guidance
- Anticipate changes, mutations or breaks in the medium and long term
 - The necessity of a collective work, on the long term
 - Evolution of our collective strategy

> A new roadmap for IDRRIM

A. Reaffirm the missions of the IDRRIM

B. Strengthen the visibility of IDRRIM

C. Update our working axes

- ✓ Infrastructure asset management
- ✓ Adaptation of infrastructures to ecological, climatic, energetic and digital transitions;
- ✓ Quality, skills and qualifications
- ✓ Promoting Innovation : experimentation, sharing and capitalize

> A new roadmap for IDRRIM

D. The translation of these axes in our working organization

E. The implementation of this roadmap

- **A new political commitment to build**
- **An application to be implemented for the 10 years of the Institute and our next congress in 2020**



**Thank you for your
attention**

