



Finnish Transport Agency Planning and Projects

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The Finnish Transport Agency is responsible for the Finnish transport system

Annual budget approximately



Infrastructure assets

2.1 billion €

19.6 billion €

25 % of infra-markets volume

We enable smooth, efficient and safe **travel and transport**.

We are responsible for the **Finnish roads, railways and waterways** and for the comprehensive development of the **transport system**.

We are a multidisciplinary **expert organisation** specialising in transport, and operating under the jurisdiction of the Ministry of Transport and Communications.

We promote **traffic safety** and the balanced and sustainable development of the regions.

FTA personnel



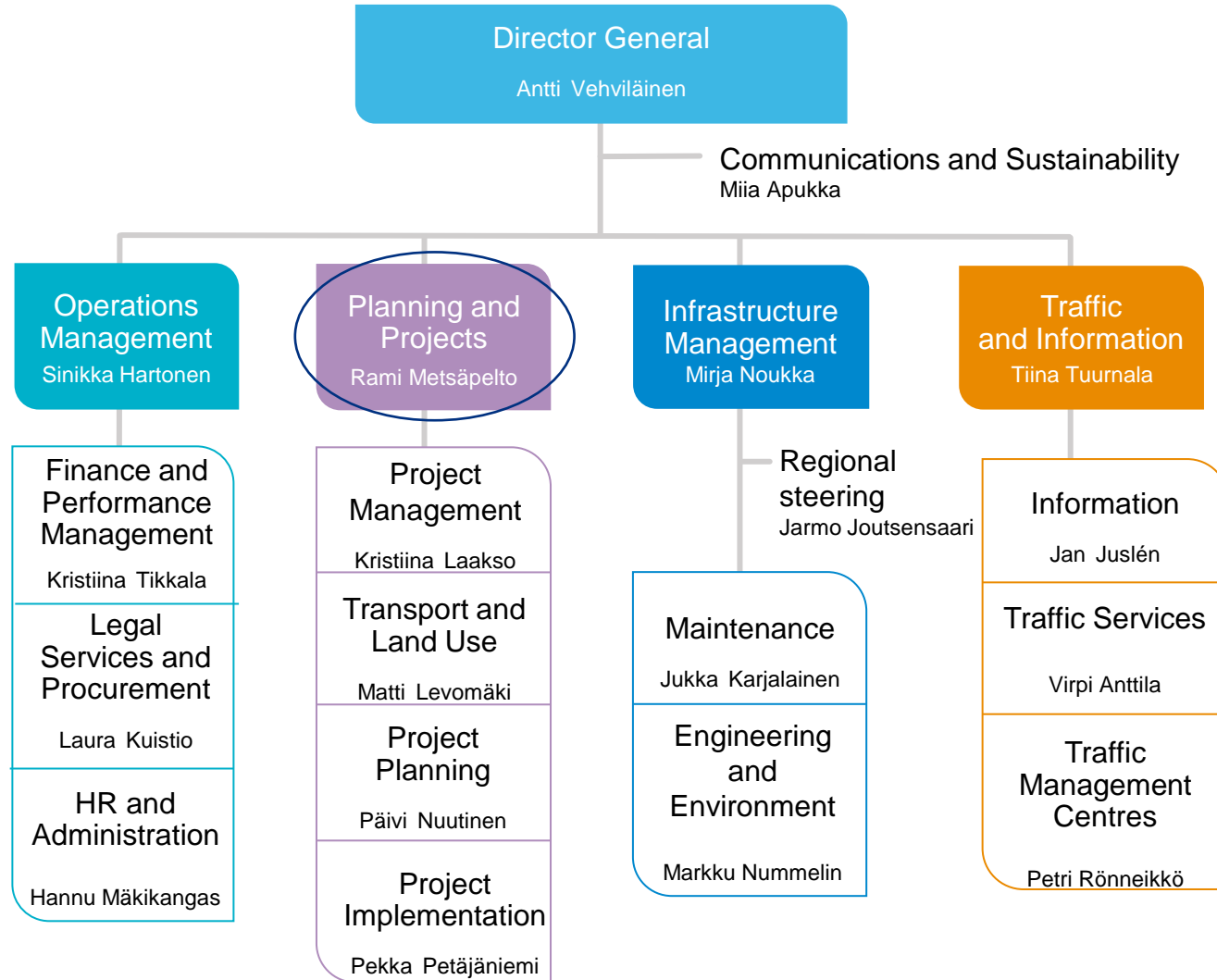
620 experts

12,000 Number of people the FTA employs indirectly through projects



Finnish Transport Agency organisation

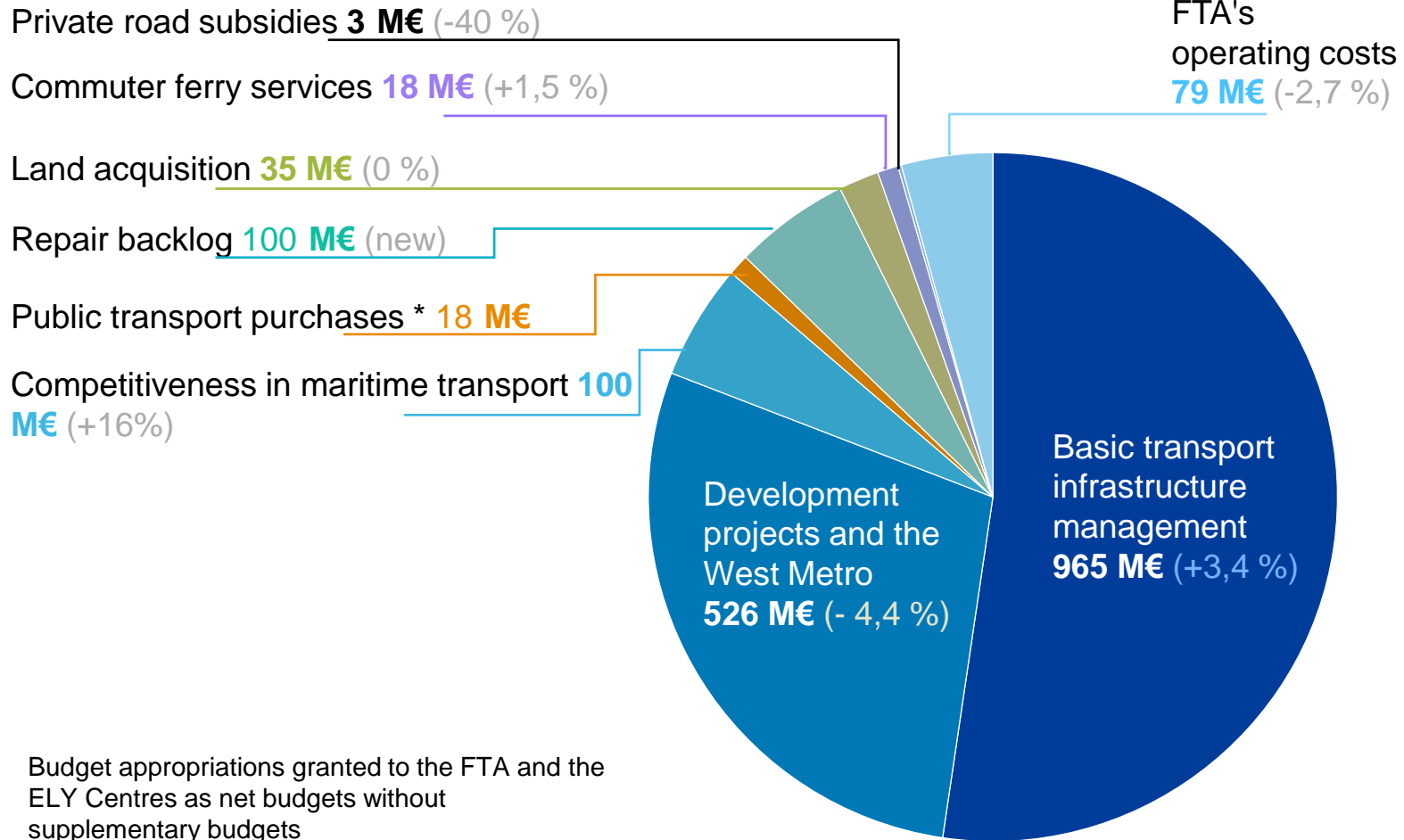
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Proposed appropriations 2016, 1,843 M€

(% change compared to 2015)



Budget appropriations granted to the FTA and the ELY Centres as net budgets without supplementary budgets

- Includes the public transport subsidy to large and medium-sized cities



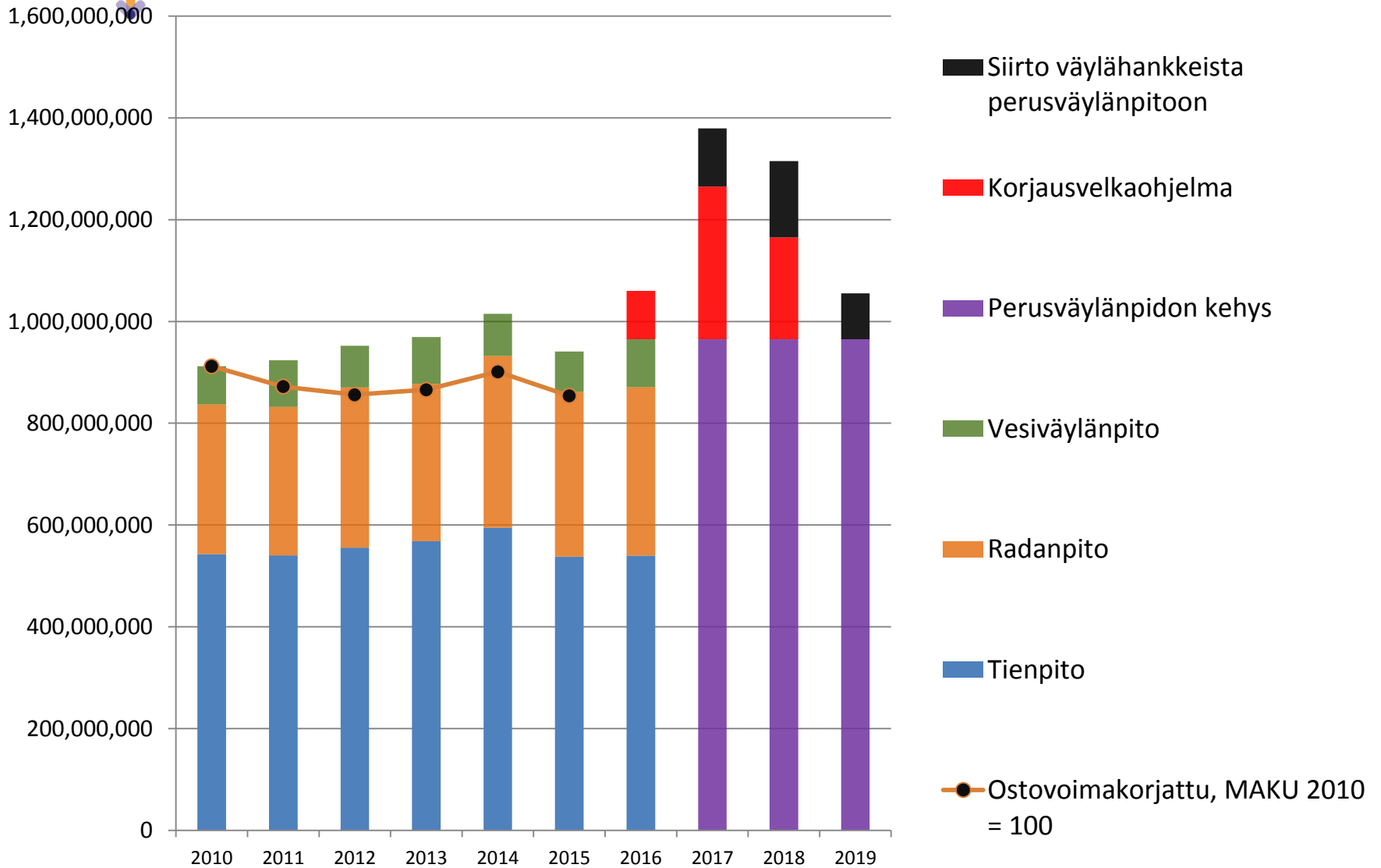
Repair Backlog - Subjects

- Road pavement, road construction and equipments
- Old bridges with weight limitation
- Track construction ja switches of railways
- Electrification and signalling of railways
- Railway yards
- Searoutes signalling and kanaltechnic



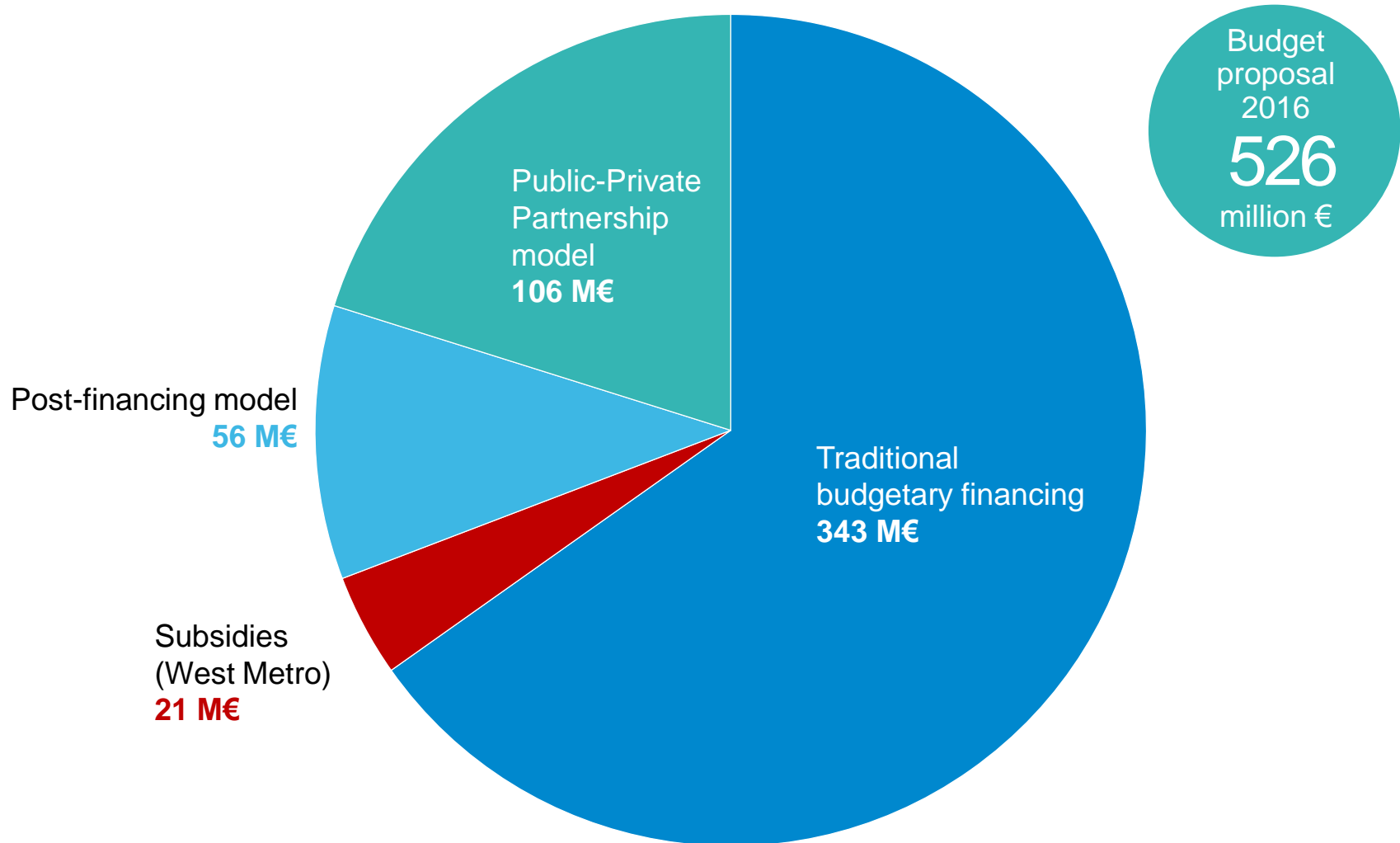


Basic transport infrastructure management budget 2010-2019



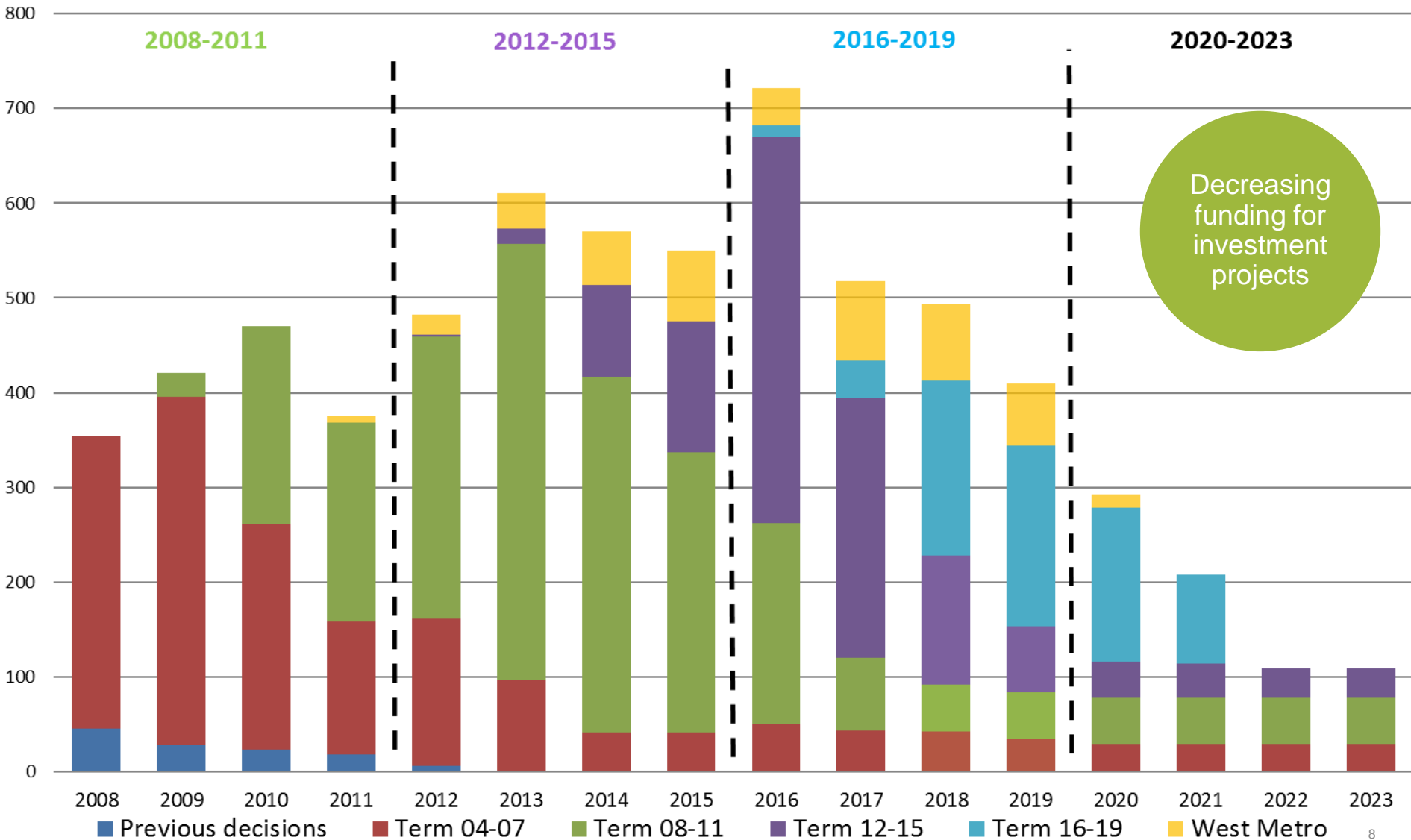


Budget proposal 2016: large investment projects according to financing model



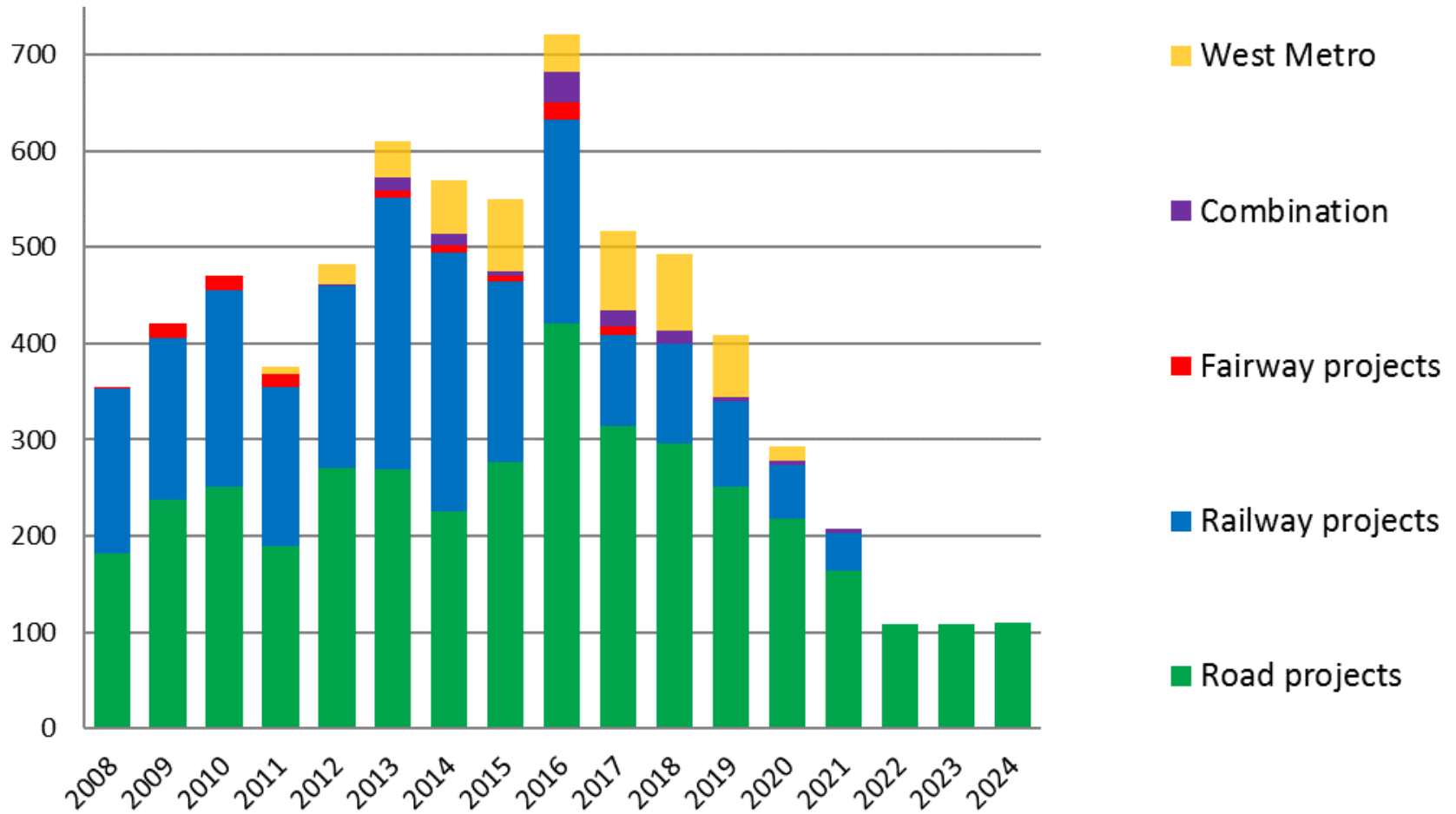


Government funding of transport investments per governmental term





State funding for large investment projects underway at the Projects Division (million euros)





Current Large Infrastructure Projects

ROAD PROJECTS

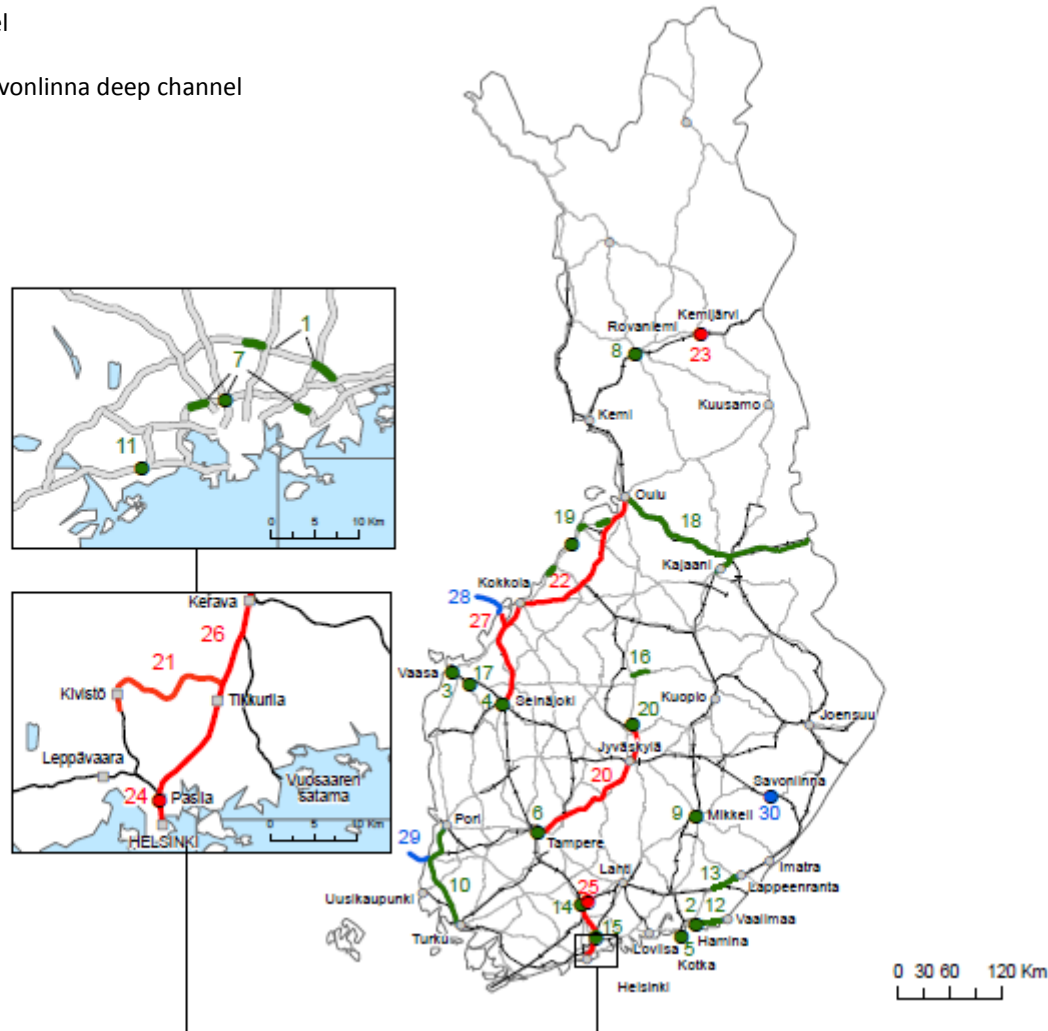
1. Ring Road III 2nd phase
2. E18 Hamina bypass
3. Main Road 8 Sepänkylä bypass
4. Main Road 19 Seinäjoki eastern bypass
5. E 18 Kotka separate project
6. Main Road 12 Tampereen rantaväylä
7. Road 101, Improvement of Ring Road I
8. Main Road 4 at Rovaniemi
9. Main Road 5 at Mikkeli
10. Main Road 8 Turku-Pori
11. West Metro park-and-ride facilities
12. E 18 Hamina-Vaalimaa (PPP project)
13. Main Road 6 Taavetti-Lappeenranta
14. Main Road 3 Grade separated junction at Arolampi
15. Road 148 Improvement at Kerava
16. Secondary Road 77, Viitasaari-Keitele
17. Main Road 3, Tampere-Vaasa, Laihia 1st phase
18. Main Road 22 Oulu-Kajaani-Vartius
19. Main Road 8, investments in roads to Pyhäjoki nuclear Power plant
20. Road connections to the bio-product mill in Äänekoski

RAILWAY PROJECTS

20. Rail connections to the bio-product mill in Äänekoski
21. Ring Rail Line
22. Ostrobothnia rail line
23. Electrification of railway line between Rovaniemi and Kemijärvi
24. Western track in Central Pasila
25. Riihimäki triangle track
26. Helsinki-Riihimäki, increased capacity, 1st phase
27. Electrification of railway line between Pännäinen and Pietarsaari

WATERWAYS PROJECTS

28. Pietarsaari channel
29. Rauma channel
30. Realignment of Savonlinna deep channel





Government Decision on 4.4.2016

RAILWAYS

1. Luumäki - Imatra – Russian Border

155 M€

ROADS

2. Main Road 4 Oulu – Kemi

150 M€

3. Main Road 5 Mikkeli-Juva

125 M€

4. Main Road 12 Lahti Ringroad

250M€

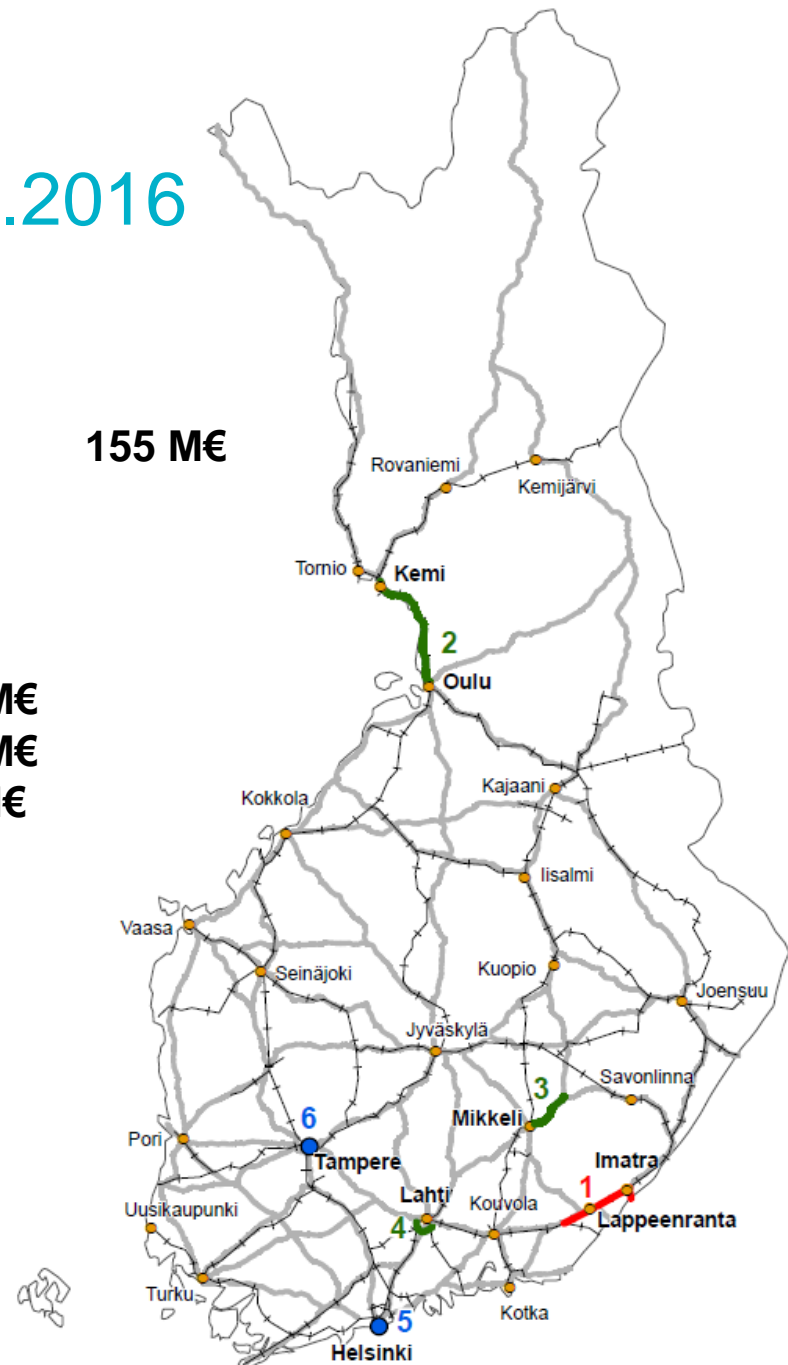
TRAM / LIGHT RAIL (STATE SUPPORT 30%)

5. TramJoker Helsinki

85 M€

6. Tampere Tram

75 M€

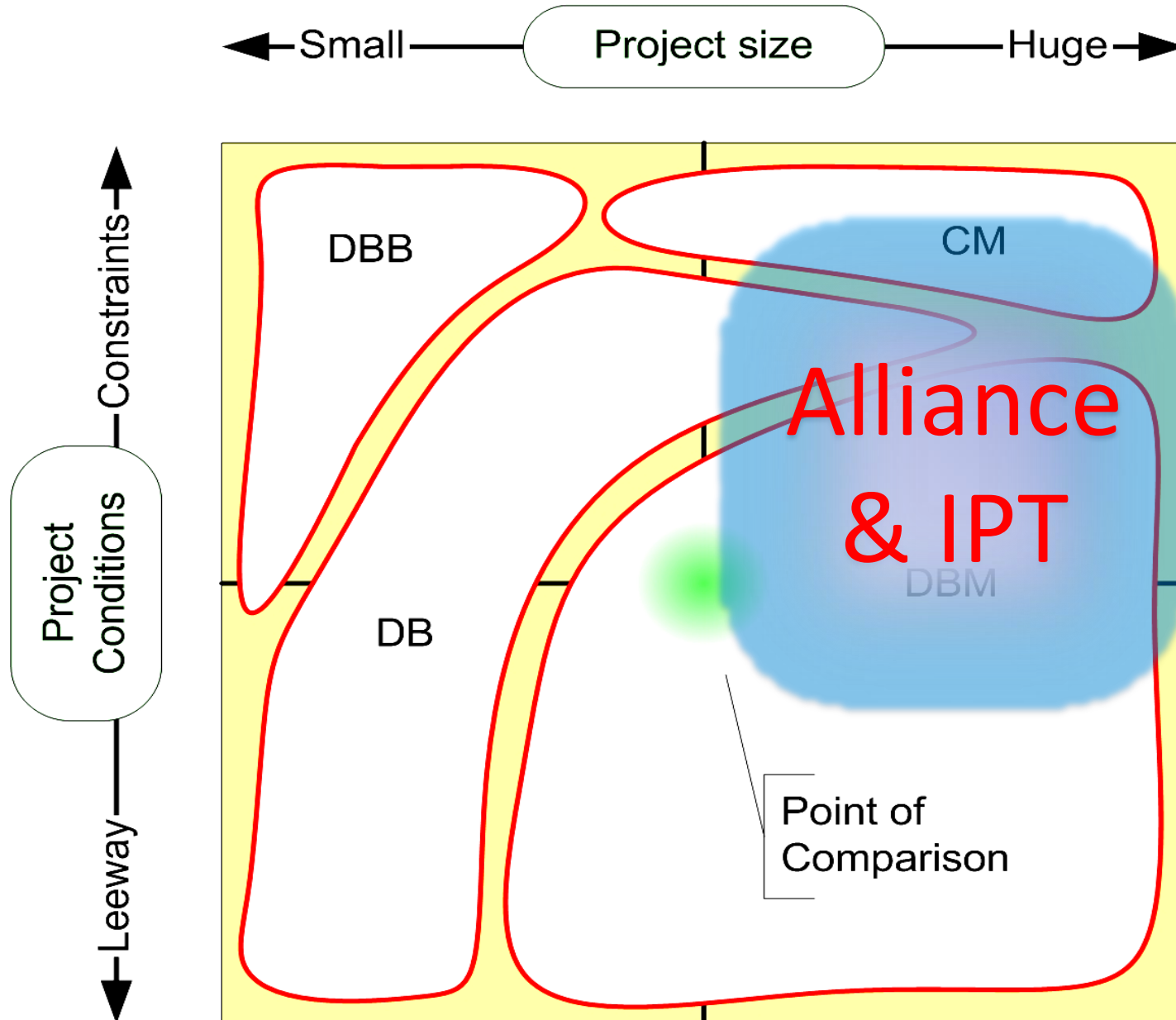




Contract Models in FTA – all in use

- **D-B-B** = Design Bid Build, all the phases under separate agreements, traditional method used all around the world
- **D-B** = Design-Build, Design and Build phases are combined to the same agreement, coming more popular method
- **CM** = Construction Management, provides Owner with a central focal point for managing and administering all phases of project construction. Treats planning, design, construction as integrated tasks
- **DBOM / DBFO**= Design-Build-Operate-Maintain phases are combined to the same long term agreement / private financing is combined to the DBOM-agreement, also known as **PPP**
- **Alliance, Integrated Project Team (IPT)** = Owner and one or more service providers (designer, constructor, supplier etc.) are working as an integrated project team

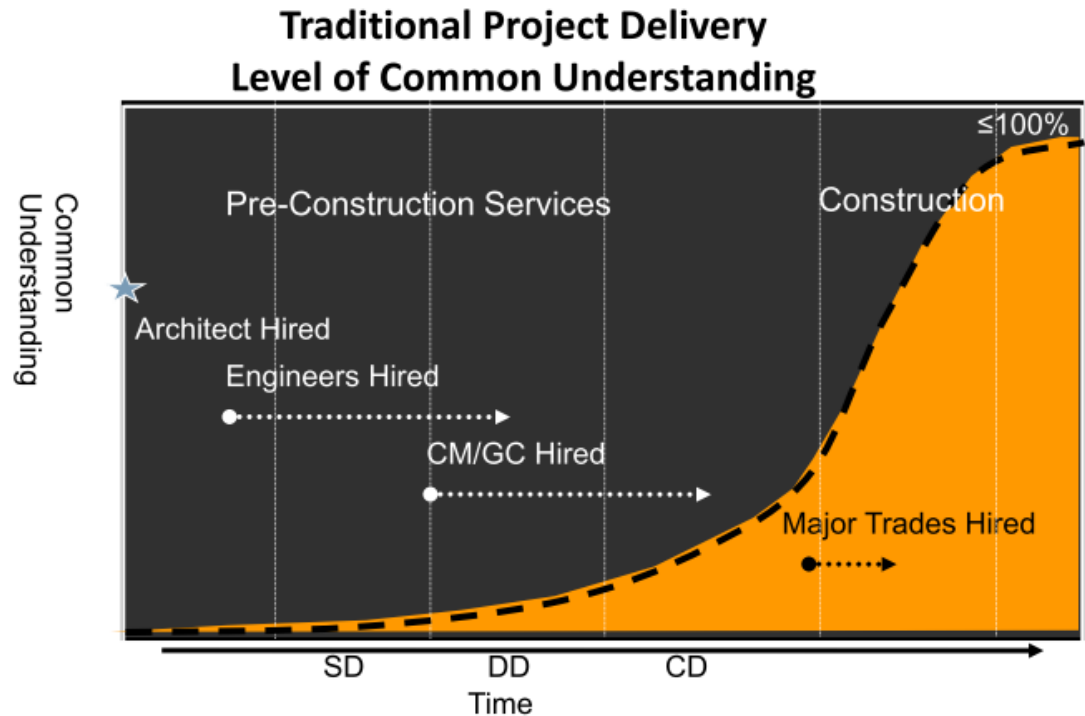
Applicability of Procurement Methods





Traditional project delivery

- **Lowest price**
 - **Confrontation**
 - **Extra works**
 - **Problems with time schedules**
 - **Owner and service providers do not have common goals**
 - **=> Prerequisites for VfM do not exist**
- ⇒ **Low productivity**

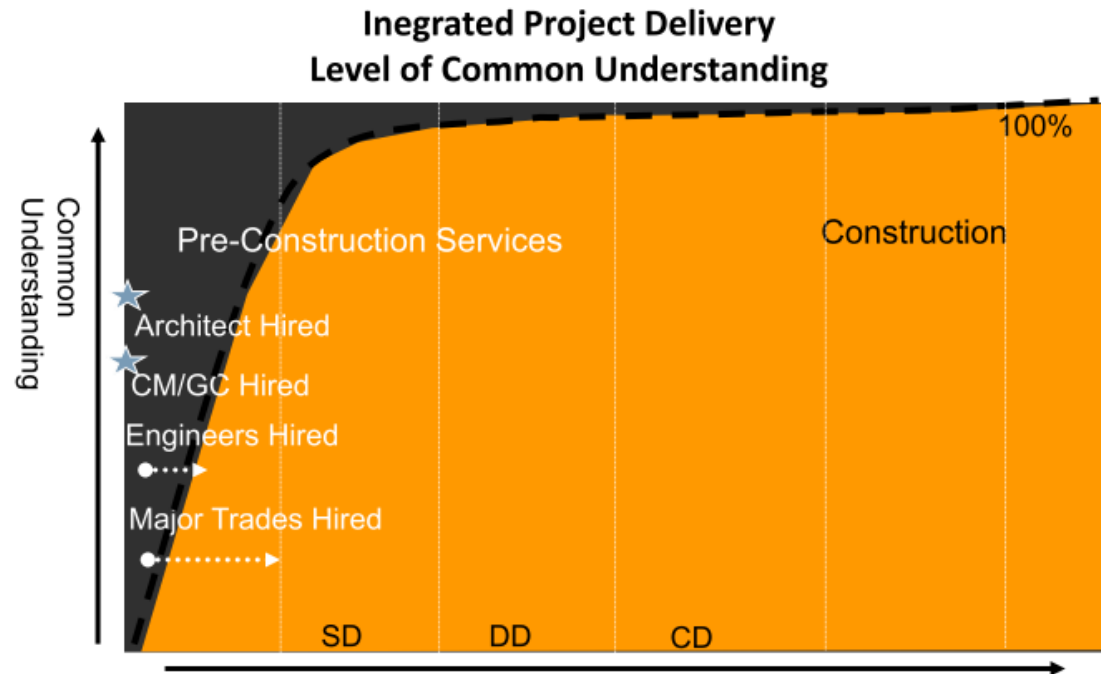




Integrated teams

- **Integrated teams, integrated project delivery, project alliance**
- **Early Contractors involvement**
 - Shared goals
 - Better supply chain management
 - Real possibilities for innovations
 - Enables better VfM approach in project management

=> Prerequisites for increasing productivity exists



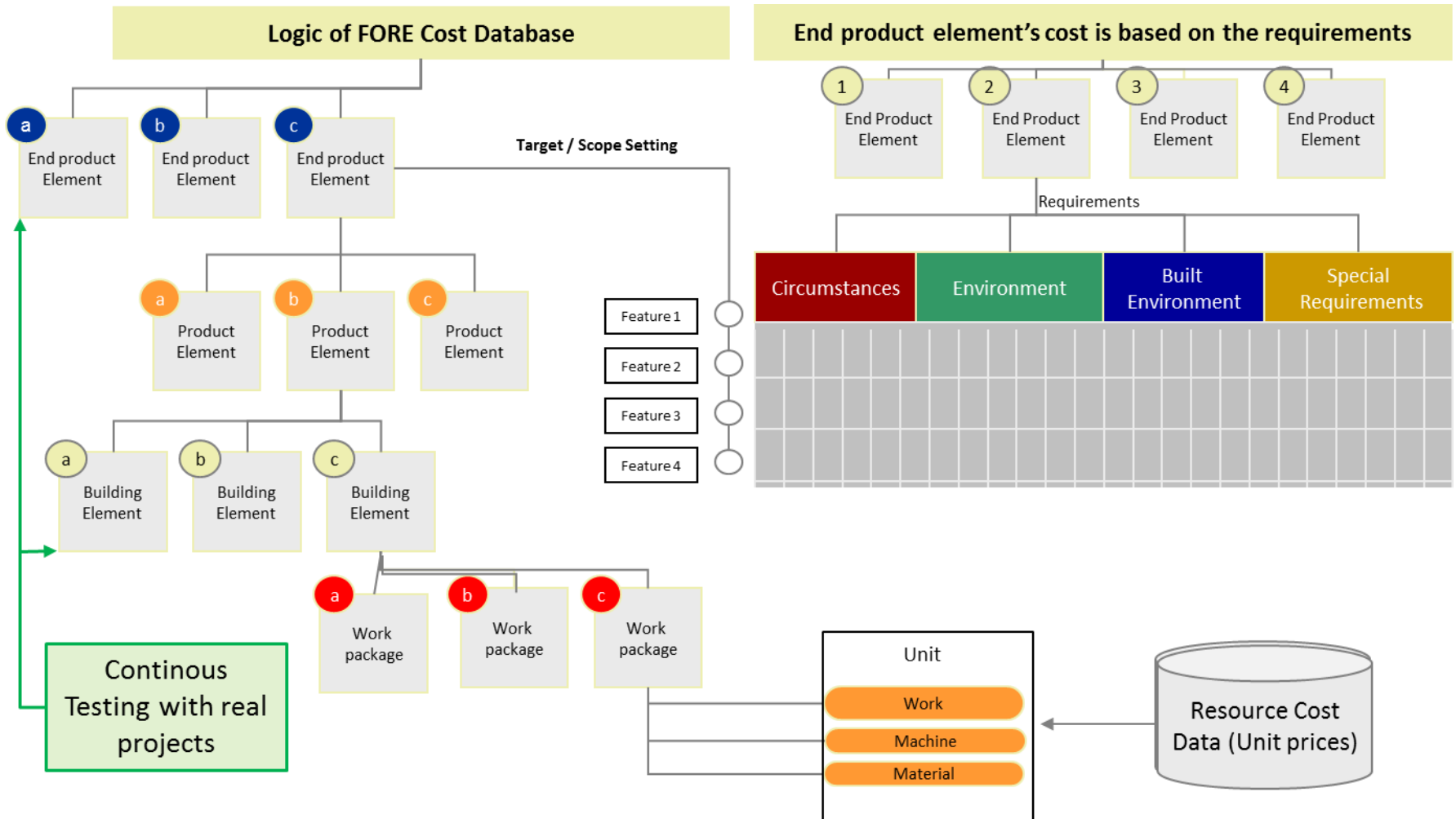


Fore – method for cost estimation

- **Fore** is a service package designed to manage the costs of infrastructure projects over their entire life cycle.
- **Fore's** tested cost assessment methods and updated price lists guarantee that you receive reliable and real-time information to help you make decisions.
- Among **Fore** users are The Finnish Transport Agency and biggest cities and consultancies in Finland.
- Provides tools and techniques for infrastructure cost management and control which are available for anyone
- Creates and provides information on infrastructure assets and projects



Structure of cost calculation





Price lists and structures in Fore system

