

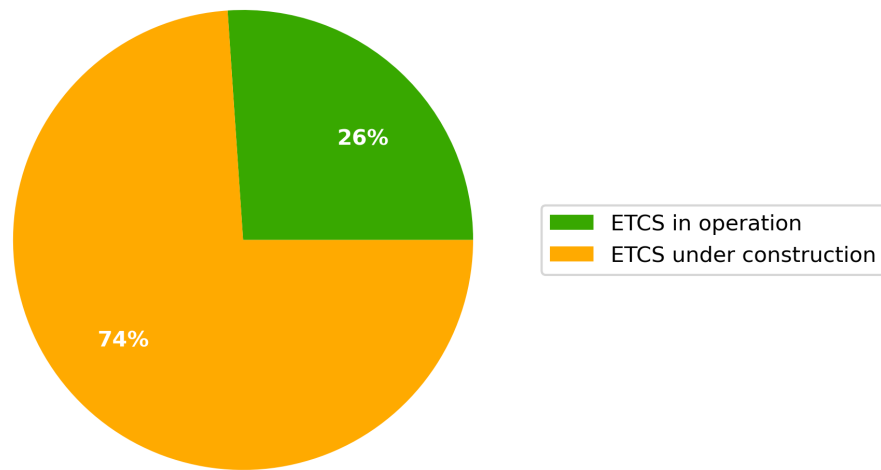
ERTMS

ERTMS Deployment data

Date Exported: 24/07/2023

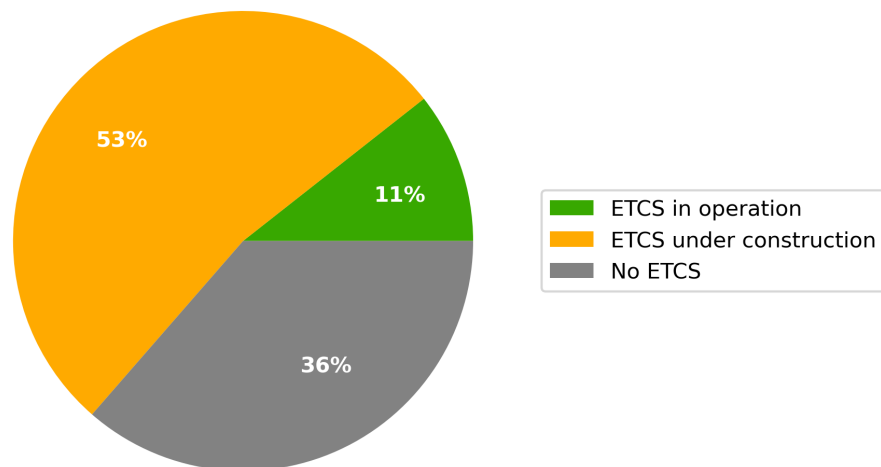
ETCS DEPLOYMENT

ETCS Status (km) by 2023

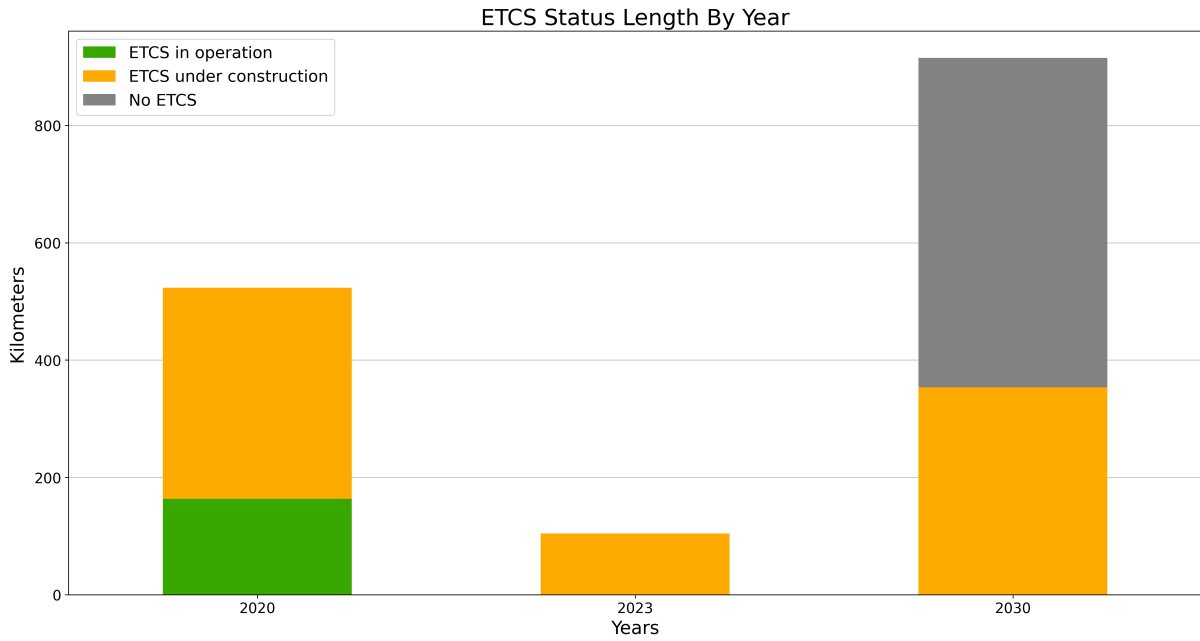


ETCS current status of CNC lengths expected according to EDP by 2023

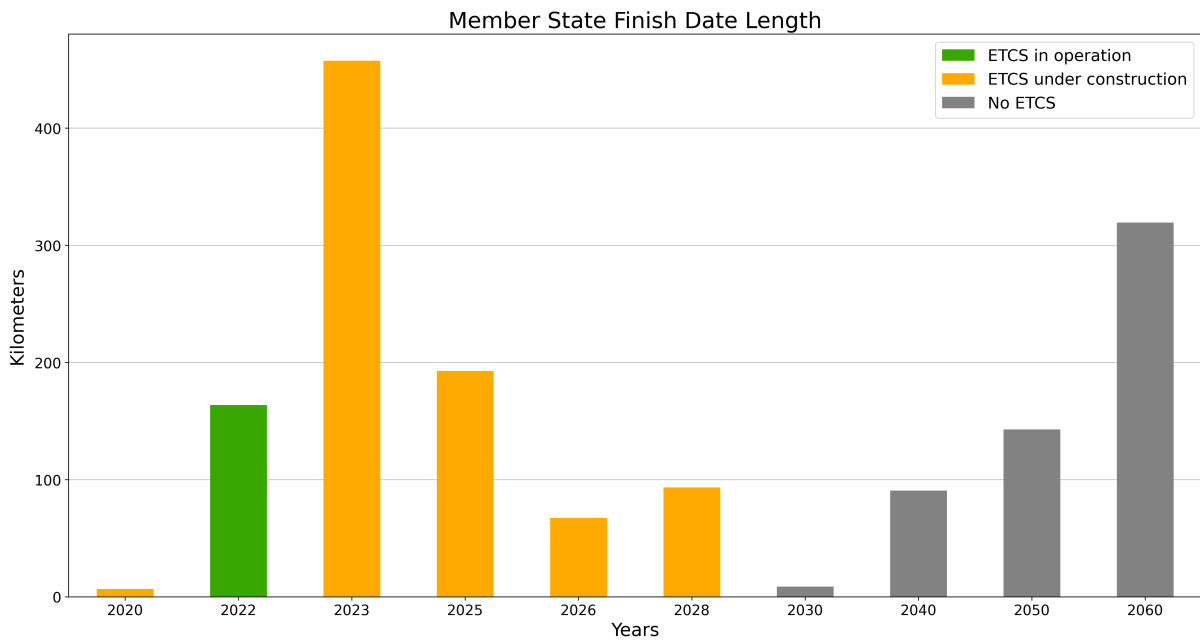
ETCS Status (km) by 2030



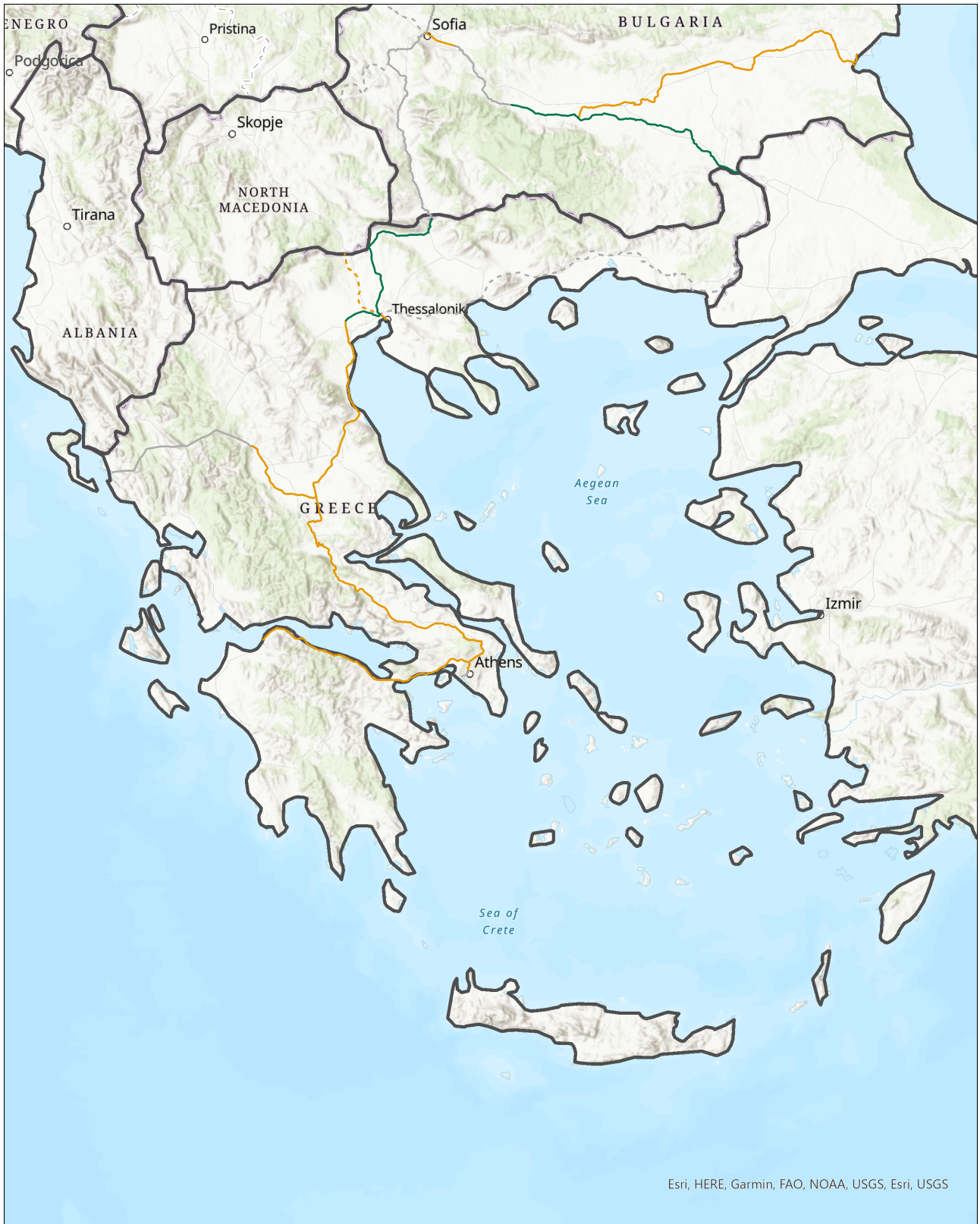
ETCS current status of CNC lengths expected according to TEN-T Guidelines by 2030



ETCS deployment progress against the EDP targets per year. Note: The 2030 bar includes sections planned in the EDP as "beyond 2023"



ETCS current status of CNC lengths per year considering MS plan



Esri, HERE, Garmin, FAO, NOAA, USGS, Esri, USGS

ETCS Railways Status

- ETCS in operation
- - - ETCS in operation CEF 2
- ETCS under construction
- - - ETCS under construction CEF 2
- No ETCS
- - - No ETCS CEF 2
- Other
- Country boundaries

Overview of the ETCS deployment status (Source: DMT elaboration)



Esri, HERE, Garmin, FAO, NOAA, USGS, Esri, USGS

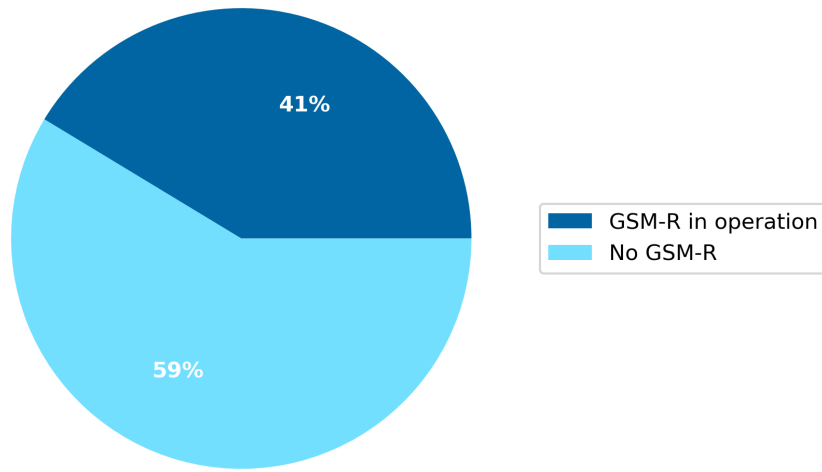
CEF Project Information

- No CEF Projects
- Works Projects
- Study Projects
- - - - No CEF Projects CEF 2
- - - - Works Projects CEF 2
- · · · Study Projects CEF 2
- Other
- ▭ Country boundaries

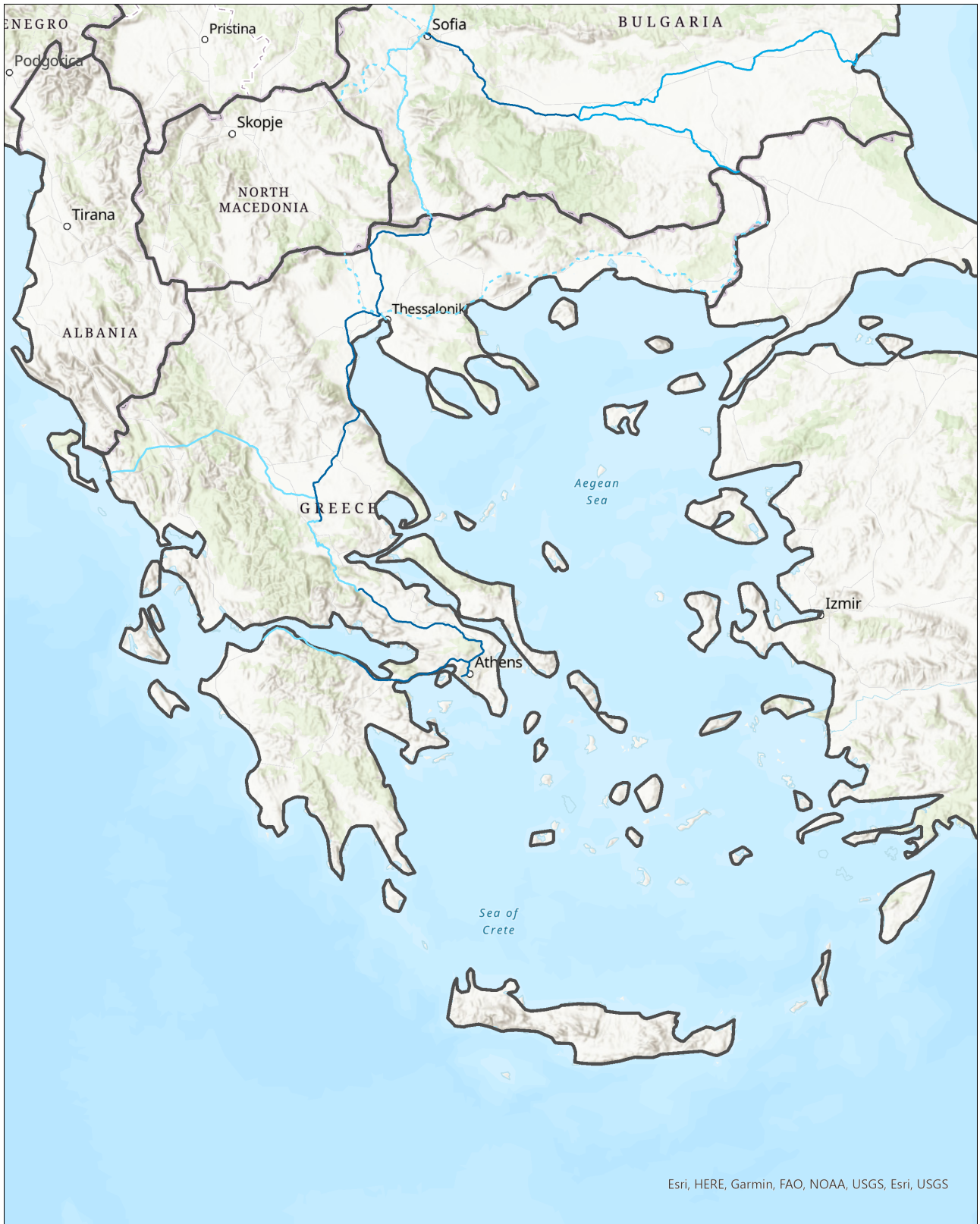
Overview of the CEF-funded projects (Source: DMT elaboration)

GSM-R DEPLOYMENT

GSM-R Status (km)













GSM-R current status



Esri, HERE, Garmin, FAO, NOAA, USGS, Esri, USGS

GSM-R Status

- | | | |
|--|--|--|
|  GSM-R in operation |  GSM-R under construction CEF 2 |  Unselected CEF 2 |
|  GSM-R in operation CEF 2 |  No GSM-R |  Others |
|  GSM-R under construction |  No GSM-R CEF 2 |  Country boundaries |
| |  Unselected | |

Overview of the GSM-R deployment (Source: DMT elaboration)