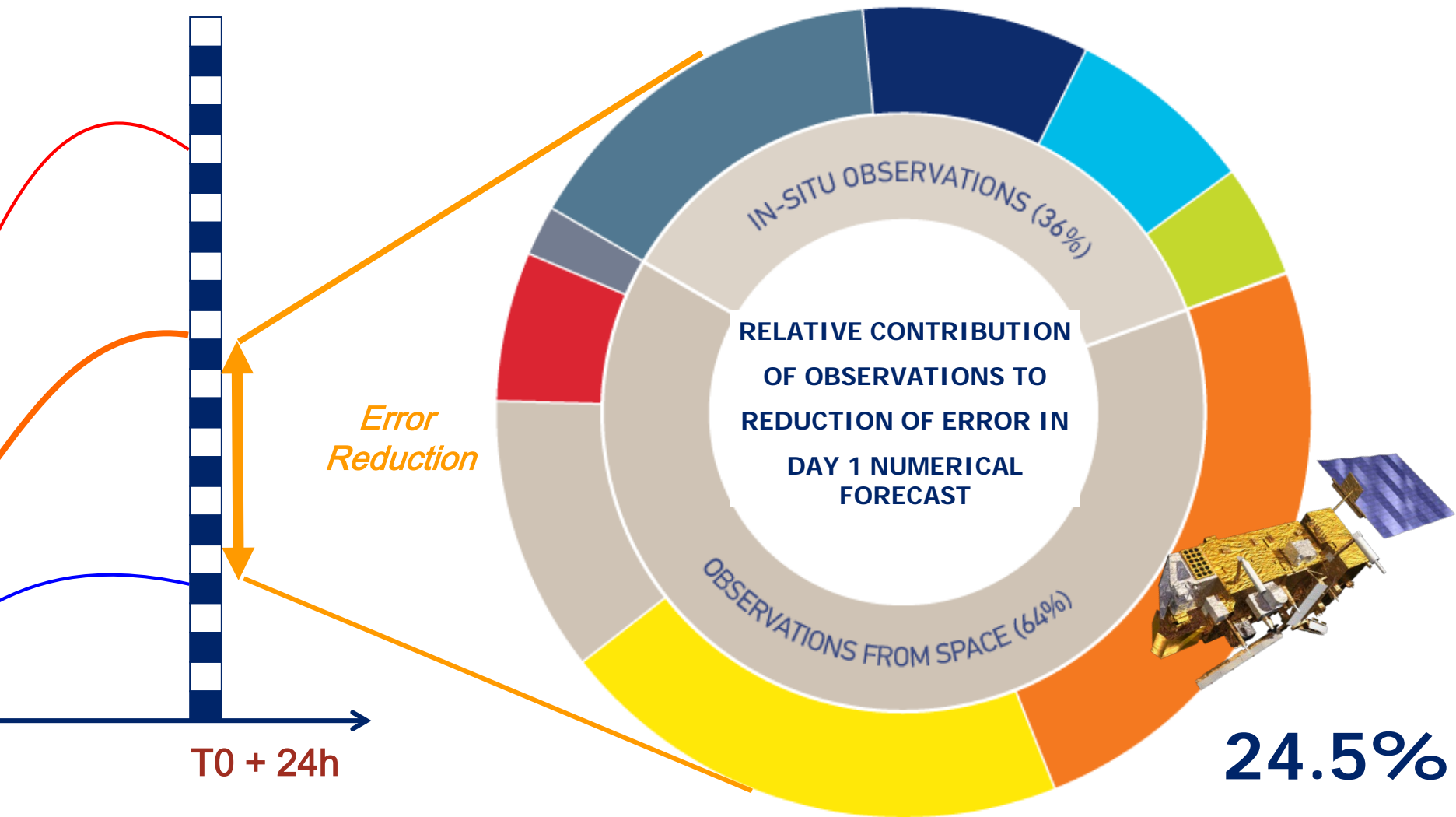


# Socio-economic benefits of meteorological satellites

## Impact of Metop-A on Day 1 forecast



# Estimated benefits of weather forecasting in the EU 27

BENEFIT AREA	LIKELY
Protection of property and infrastructure	€5.4 billion/year
Added value to the European economy	€41.0 billion/year
Private use by European citizens	€15.0 billion/year
<b>TOTAL</b>	<b>€61.5 billion/year</b>

- Not captured: value of hundreds of lives saved per year, benefits to defense and security
- Also ignored: additional benefits of specialised forecasts of weather-dependent phenomena, i.e. air quality, marine forecasts, dispersion of pollution

# Socio-economic benefits

- Benefits of weather forecasts in 3 areas (EU 27):
  - 61.5 B€ per year
  - Direct value to economy is 41 B€
- Part attributed to Metop, in proportion of reduction of forecast error : 4.9 B€ per year (conservative)
- Proportionality to GDP versus GNI contributions to EUMETSAT
- Benefit to cost ratio of EPS-SG programme is 20