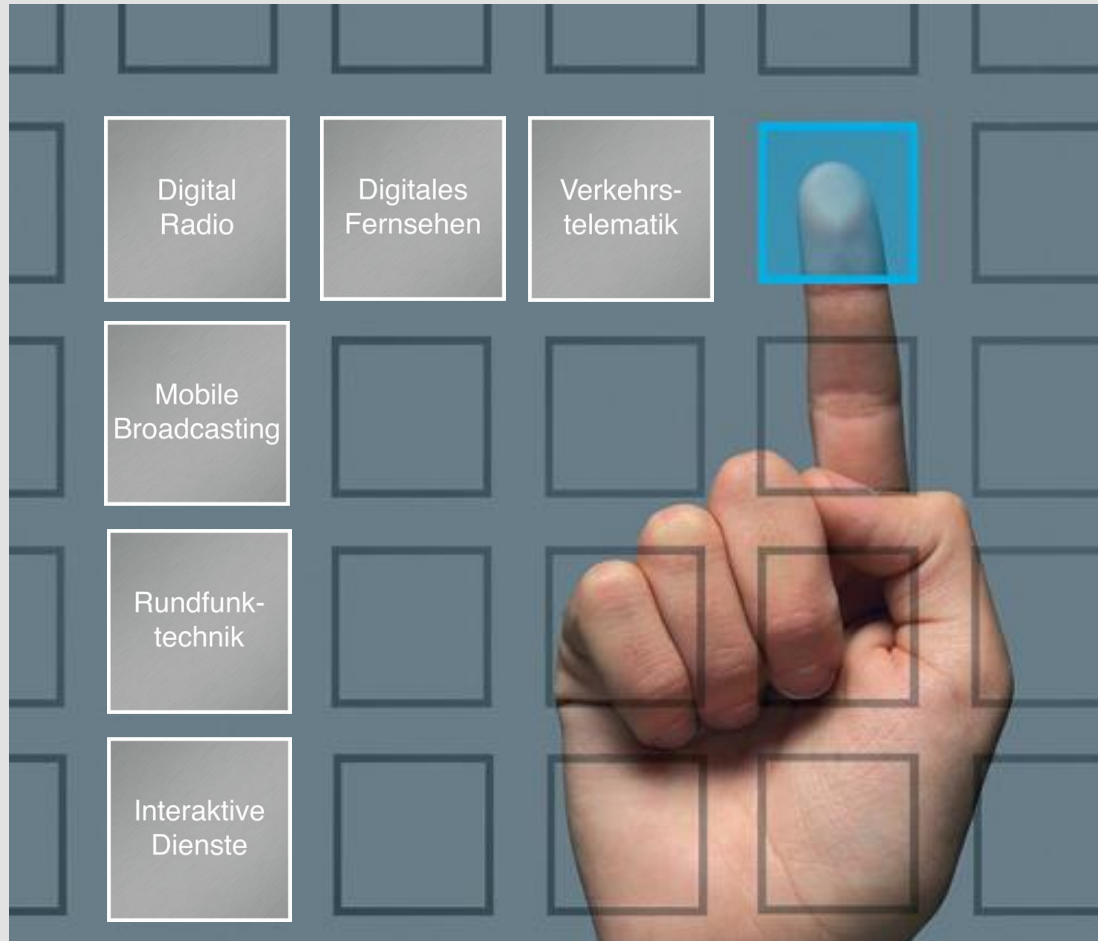


# Who is bmt?



Bayerische Landeszentrale  
für neue Medien

The logo for Bayerische Rundfunk (BR) consists of the letters 'BR' in a bold, blue, sans-serif font.



- **Center of Competence for Consulting and Realisation of projects in the Digital broadcast area**
- **Main focus on development of applications and services for digital broadcast technologies**

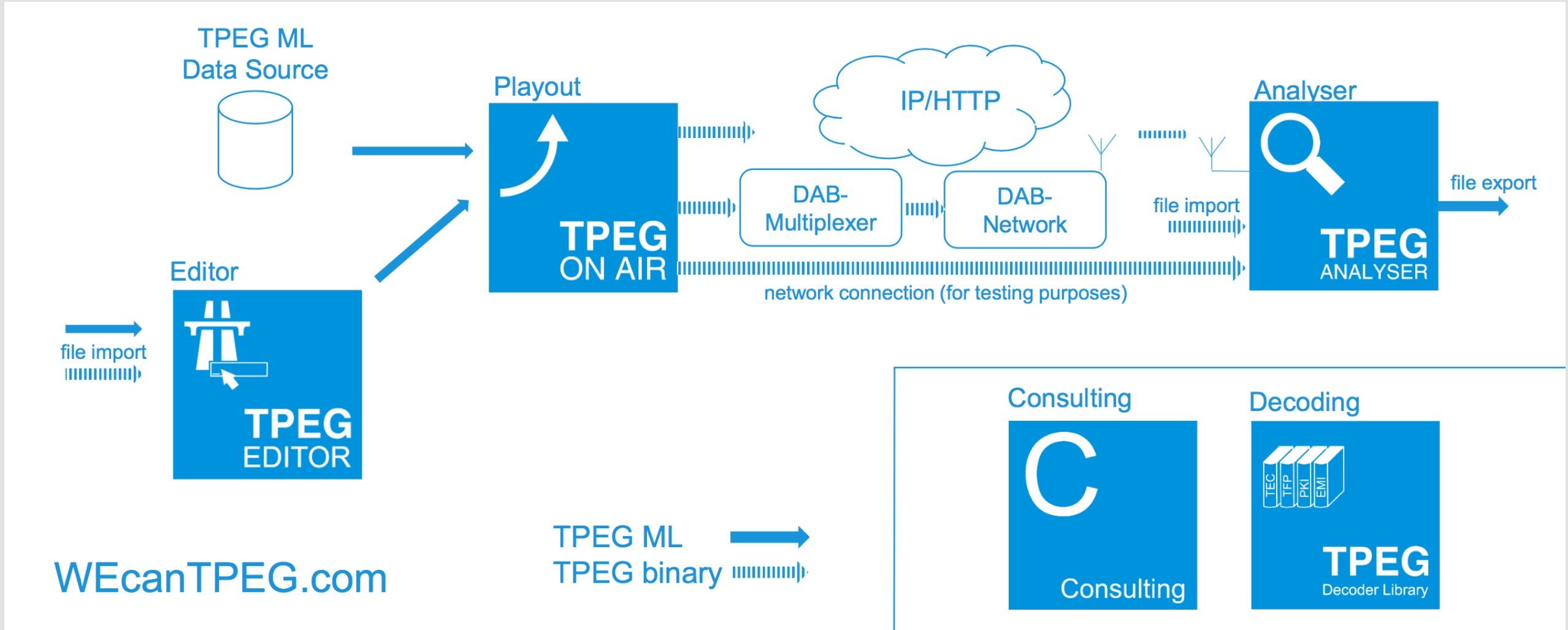
# Traffic Services / TPEG



- TPEG is a standard for transmission of machine-readable content to navigation devices
- Successor of RDS-TMC for broadcast
- Specific applications for dedicated purposes (e.g. TEC for traffic events)
- Bmt offers products for generation, analysis and playout of TPEG services



# TPEG products of bmt



# TPEG in use: Automotive Industry



- TPEG has been launched via HTTP
- Audi
  - TPEG-Content by INRIX
- BMW (Realtime Traffic)
  - TPEG since 2011 for all of Europe
- Garmin
  - DAB-TPEG since 2013
  - Different service providers



image: auto-medienportal.net/audi

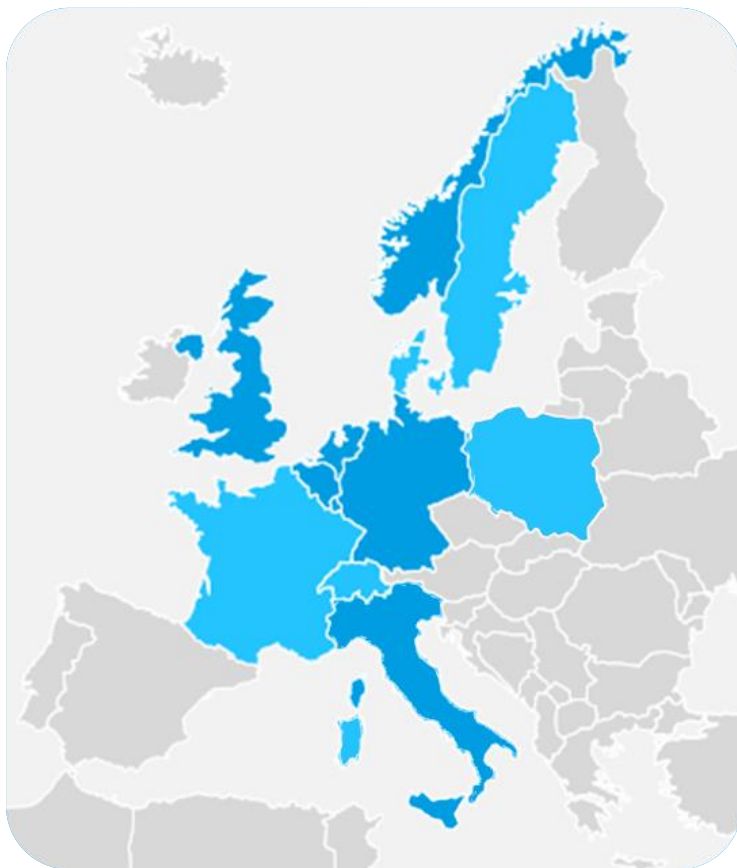


image: bmw.de

# Status of DAB-TPEG Services



## ■ TPEG-Distribution via DAB in Europe



### ■ Operational services:

- Germany
- U.K.
- Italy
- The Netherlands
- Belgium
- Norway

### ■ Testing:

- Switzerland
- Poland
- Schweden
- France

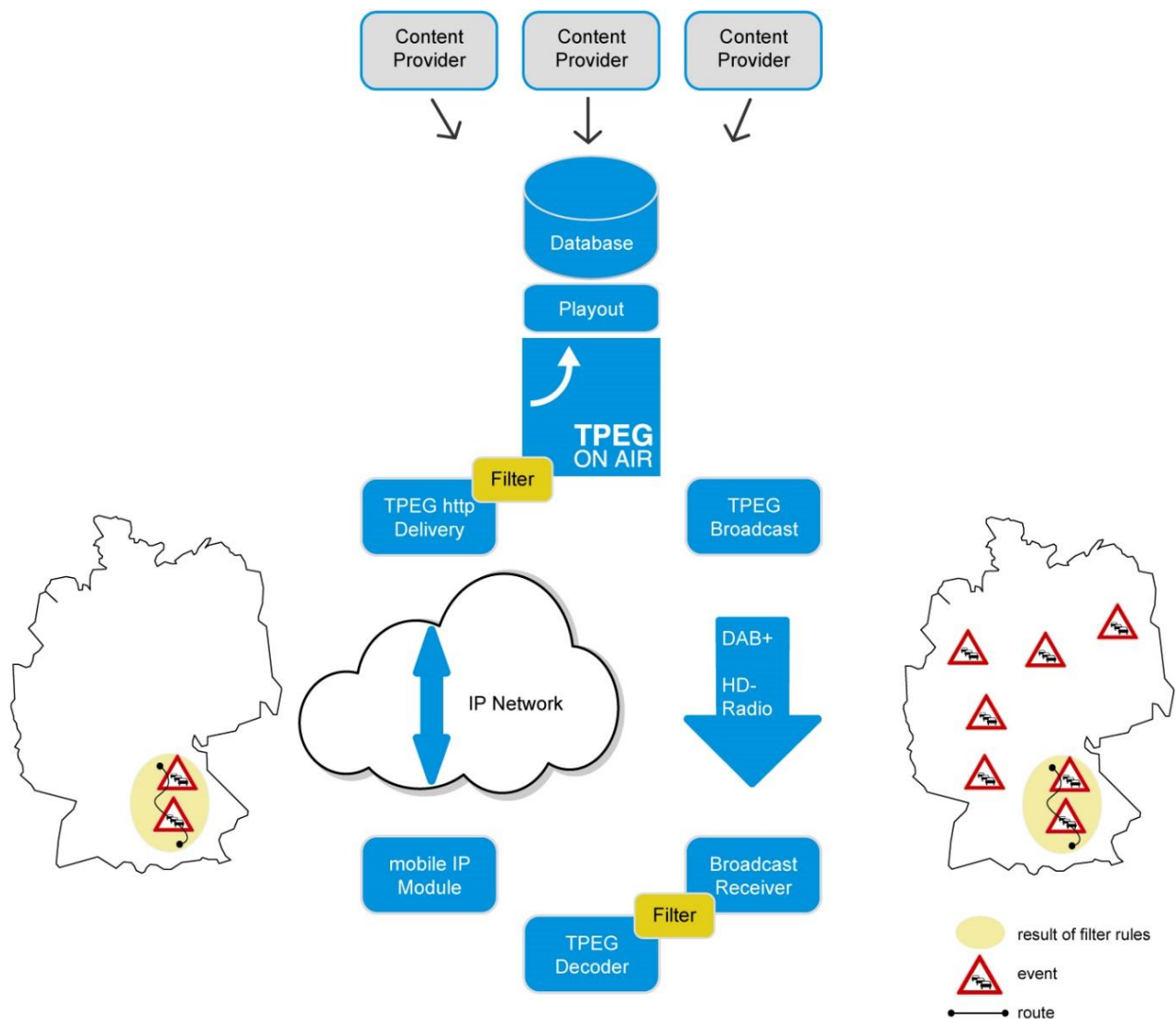




# TPEG Hybrid



- **Playout of TPEG information via DAB and Mobile networks (e.g. LTE)**
- **Receivers can use messages from both networks**
- **Only TPEG supports this use case**
- **Best of both worlds**
- **Benefits:**
  - **Enhanced coverage area**
  - **No limitation of concurrent users (safety-related content)**
  - **Additional information via mobile network to small group of users**



[WEcanTPEG.com](http://WEcanTPEG.com)