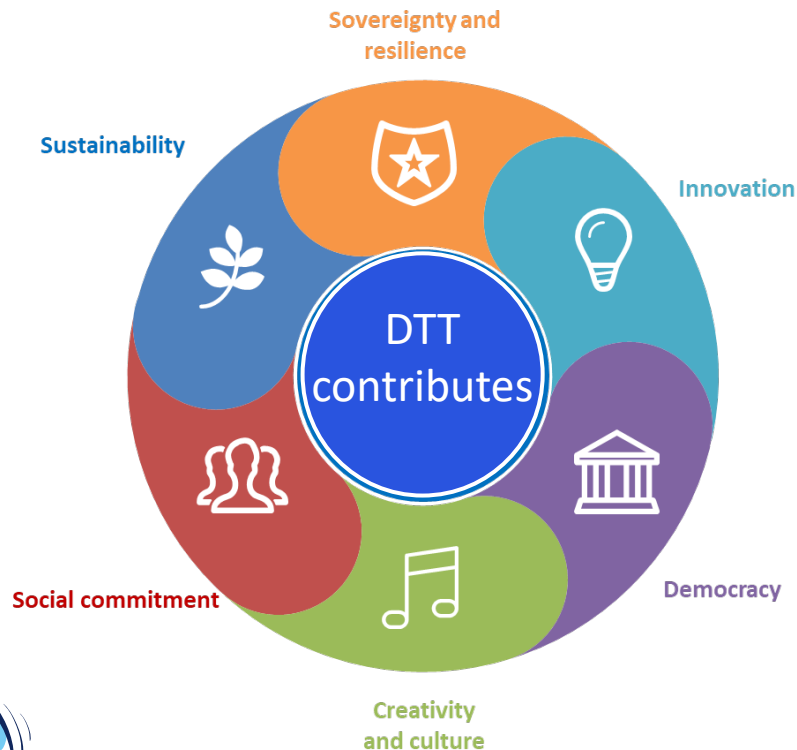




The future of DTT

Digital Terrestrial Television, a great asset to build upon

- Delivers public service and provides national resiliency
- Massive positive impact on society
- Infrastructure safety, economic, social, cultural and democratic value, editorial responsibility against fake news



470-694MHz a Cultural Band

- **Long term view of a solution allowing technology innovation while fostering social values and culture development**
- An opportunity for innovation and spectrum efficiency best practice
- A common public space for societal and democratic progress
- A tool for national integration
- An option against misinformation
- An instrument to enable pluralism and fair competition

The Cultural Band – Innovation Roadmap

2024

DTT SERVICES

- a. Mixed DVB-T / DVB-T2
- b. MPEG-4 / HEVC growing and MPEG-2 legacy
- c. SD / FHD / UHD
- d. Hybridization with IP services via HbbTV

PMSE SERVICES

RADIO ASTRONOMY AND OTHERS

1. Enhanced user experience

- **More image definition (UHD, UHD2)**
- **Better definition (HDR, HFR, WCG)**
- **Better sound quality (NGA)**
- **Enhanced compression**

2. Seamless access to linear / OD contents

- **HbbTV**
- **DVB-I**

3. A native mobile experience

- **5G Broadcast**
- **Downlink-only Services**

2040

increased energy
efficiency^{1,2}
cost effective³

DTT SERVICES

- a. All services transmitted in DVB-T2
- b. All services compressed in HEVC or VVC
- c. Combining FHD, UHD and UHD2 according to each country's needs
- d. Transparent and seamless hybridization via HbbTV and DVB-I
- e. Closer to real life image thanks to HDR, HFR and WCG
- f. Immersive and personalized sound with NGA

5G BROADCAST

DOWNLINK-ONLY SERVICES

PMSE SERVICES: satisfying increasing demand for cultural and media production

RADIO ASTRONOMY AND OTHERS

¹ [Quantitative study of the GHG emissions of delivering TV content](#)

² [Carbon emissions of streaming and digital terrestrial television - Ofcom](#)

³ [The costs and risks of switching to internet distribution for all TV](#)

BNE: Terrestrial Network Operators in 21 Countries

arqiva

UK

cellnex

Spain,
Netherlands

CRA

ČESKÉ RADIOKOMUNIKACE
Czech Republic



Digea
Greece



DIGITA
Finland

emitel

Poland



Serbia

EI TOWERS

Italy



Italy

MEDIA
BROADCAST

Germany

OIV Digital signals and
networks

Croatia

ors
group

Austria



swisscom
Switzerland

2rn

Ireland



Romania



Norway, Belgium



France, Estonia

TERACOM

Sweden



TOWERCOM
Slovakia

