

ABU DBS 2012 World DMB Workshop

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The DAB family

- Digital radio:
 - DAB - layer II audio + multimedia
 - DAB⁺ - HE AAC v2 audio + multimedia
 - DMB-radio - HE AAC v2 or BSAC audio + multimedia
- Mobile TV:
 - DMB-tv - H.264 video with BIFS interactivity
- Other:
 - DAB-IP - anything possible

How do I choose?

- What content do we want to deliver?
 - Mobile TV services
 - Radio services

Mobile TV services

- DMB provides mobile TV
- DAB+ does not

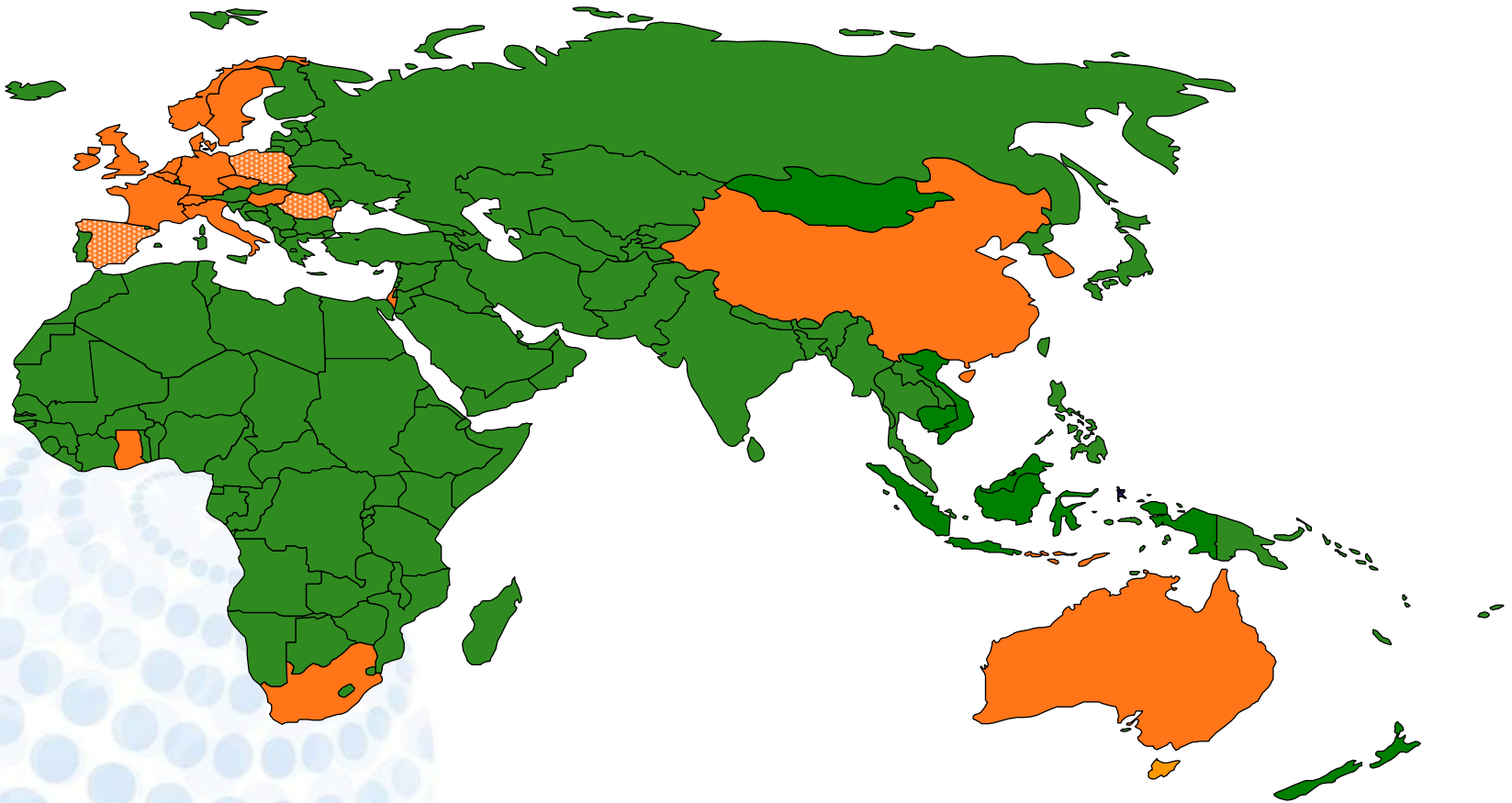
Radio services

- Choose between DAB, **DAB+** and DMB-radio
- All provide user friendly benefits
 - Select service by name
 - Extended programme information via EPG
 - Consistent audio quality
 - Extra information e.g. scrolling text
 - Service following to FM-RDS, etc
 - Multimedia applications
 - SlideShow images
 - TPEG/TMC traffic and travel information

DAB+

- Designed for radio services
 - HE AAC v2 audio
- Best spectrum efficiency in the family
- Additional FEC layer tuned to DAB core
 - RS (120, 110, t=5) with scalable interleaver
- Low and consistent channel switching delay
- Clean “point-of-failure” characteristic
- Fully reconfigurable

Where in the world?



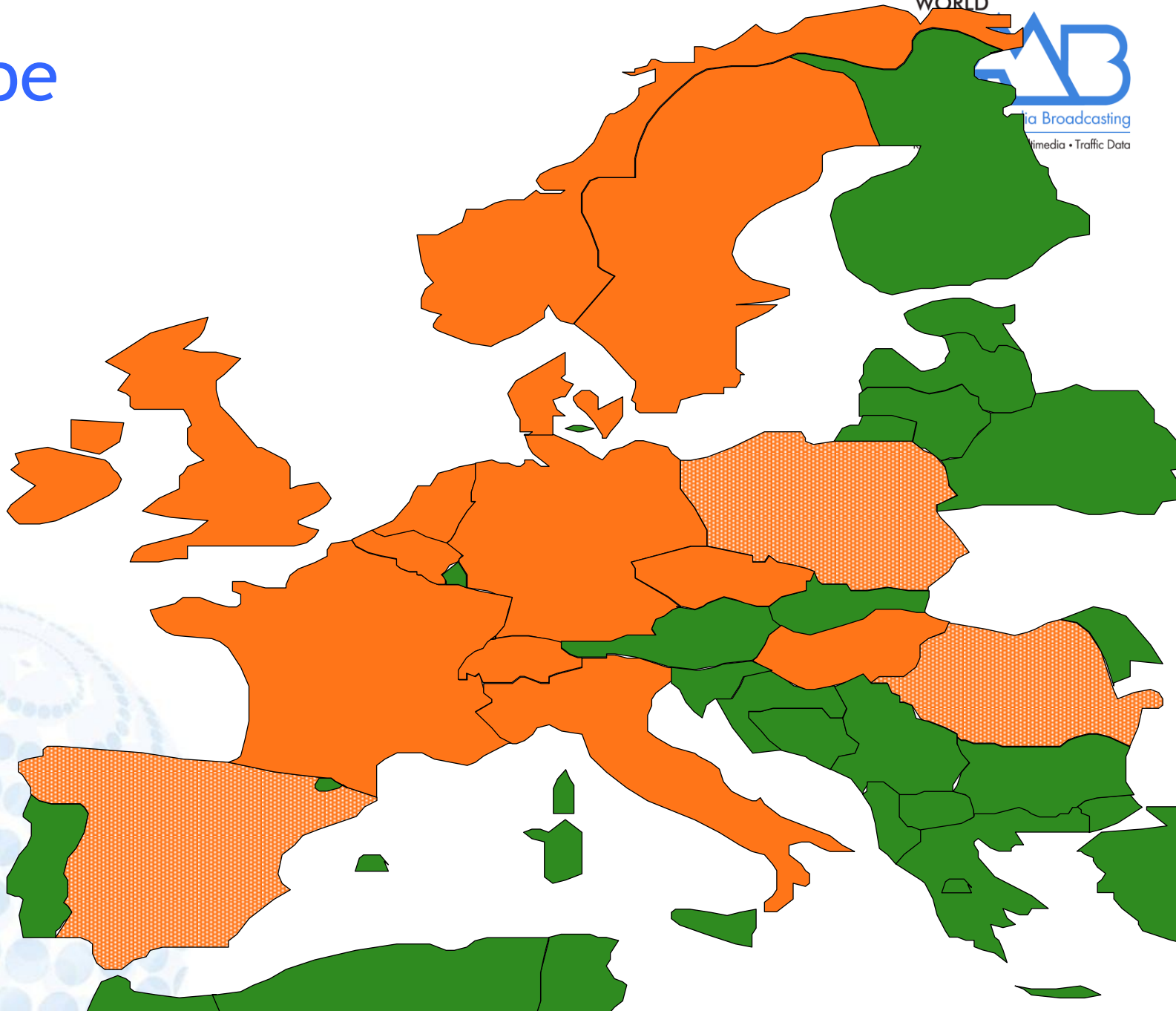
Europe

WORLD

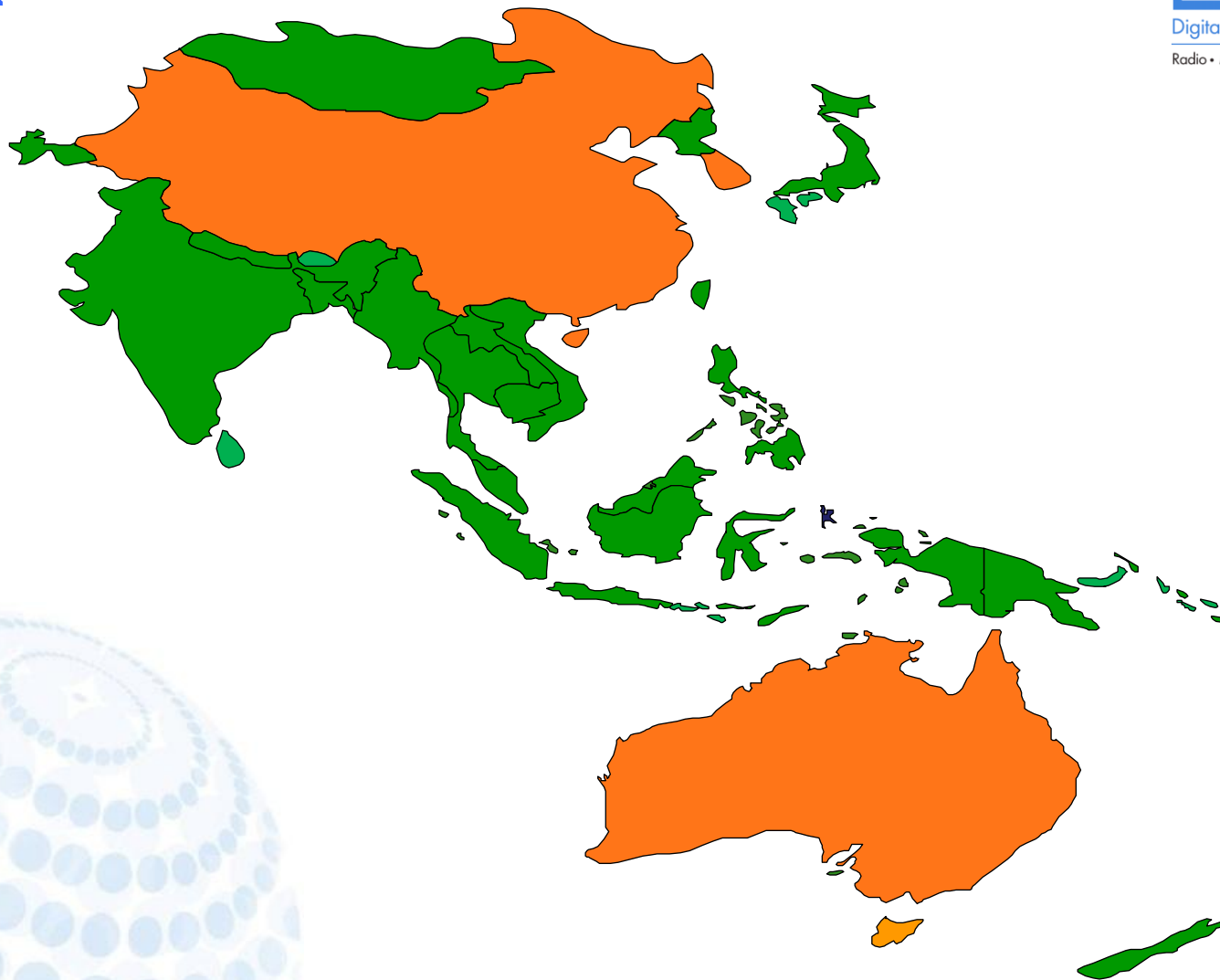


Global Media Broadcasting

Video • Audio • Traffic Data



Asia



DAB, DAB+, DMB

- The DAB family is an open, mature digital radio standard with a host of additional features
- It is flexible, allowing broadcasters and regulators choices about how broadcast services should be delivered
- It is robust in all environments, delivering content reliably to mobile, portable and fixed receivers

Thank you

