



General Assembly 2017 – Paris

7th November 2017

New opportunities on DAB+ with a second national multiplex

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1st national DAB-Multiplex

~80 Mio people

16 states (Laender)

Federal broadcasting system

3 FM/DAB Levels in Germany

national (nationwide)

federal (statewide)

regional (regional/local areas)

Public and private programmes



1st national DAB-Multiplex



FM-Situation:

~65 public radio programmes
(national, federal)

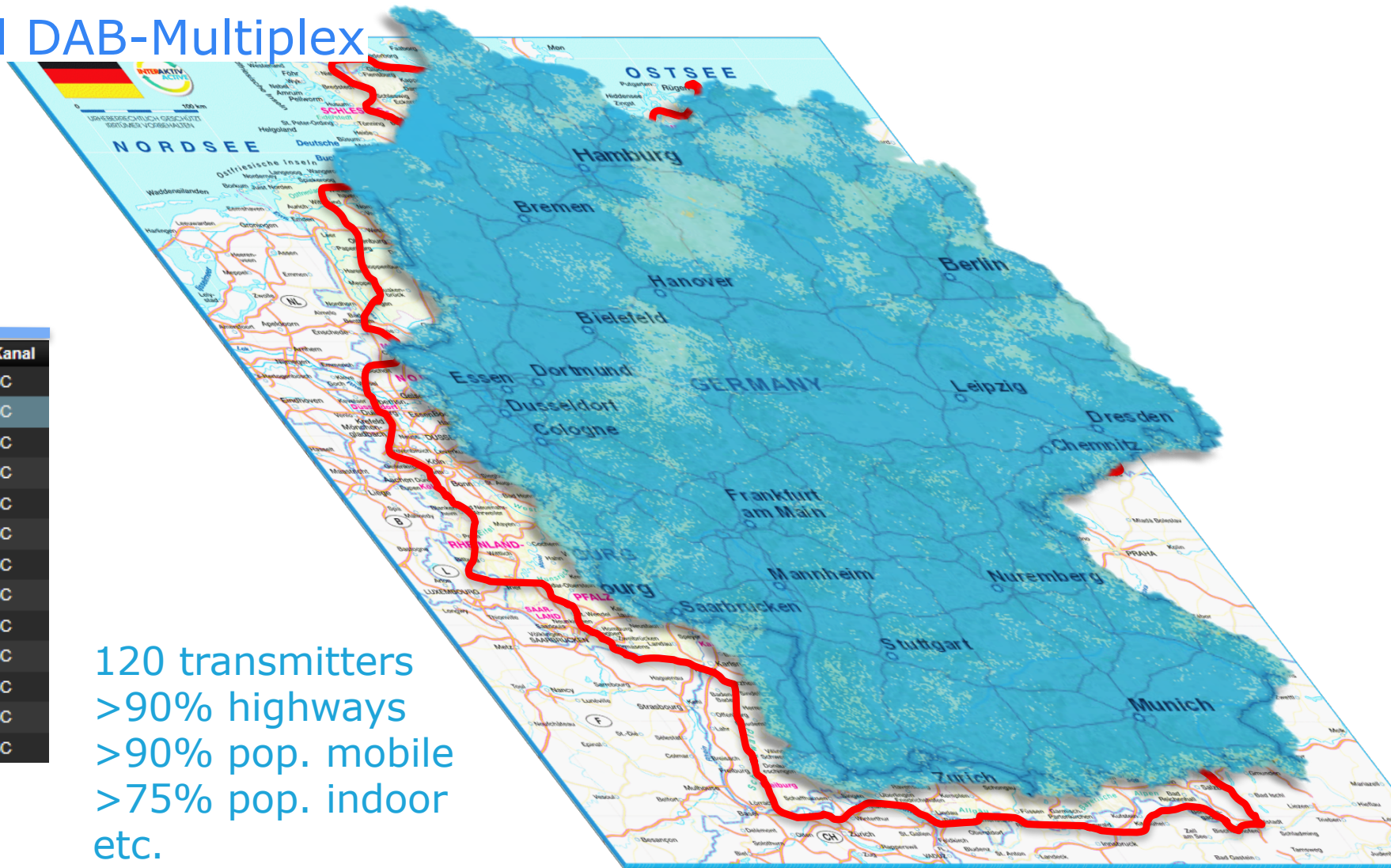
~200 private radio stations
(national, federal, local,
commercial, non commercial)

1st national DAB-Multiplex



#	Programm	Kanal
1	Absolut Relax	5C
2	Deutschlandfunk	5C
3	Deutschlandradio Kultur	5C
4	DRadio DokDeb	5C
5	DRadio Wissen	5C
6	ENERGY	5C
7	ERF Plus	5C
8	Klassik Radio	5C
9	Radio BOB!	5C
10	Radio Horeb	5C
11	SCHLAGERPARADIES	5C
12	Schwarzwaldradio	5C
13	sunshine live	5C

120 transmitters
 >90% highways
 >90% pop. mobile
 >75% pop. indoor
 etc.



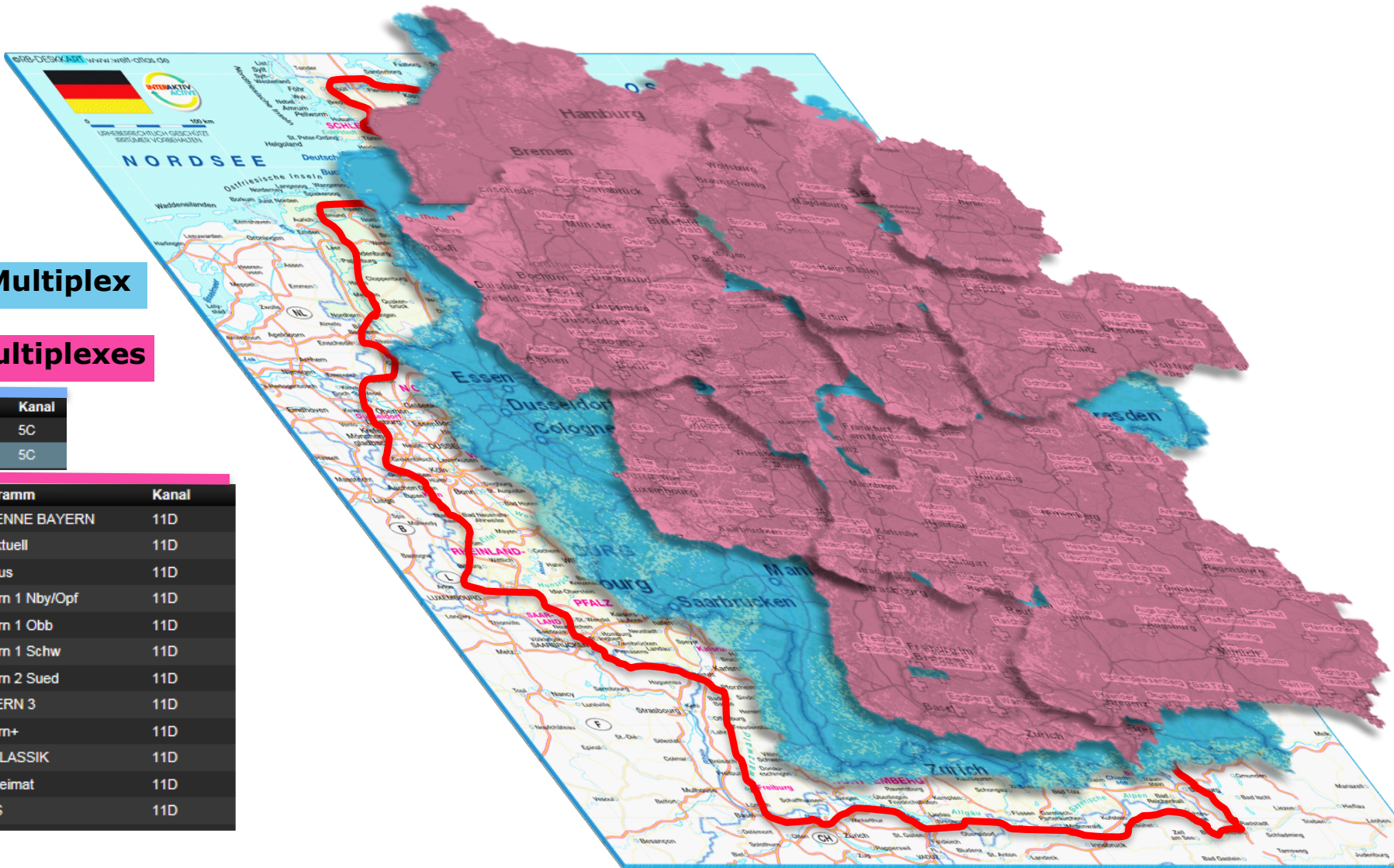


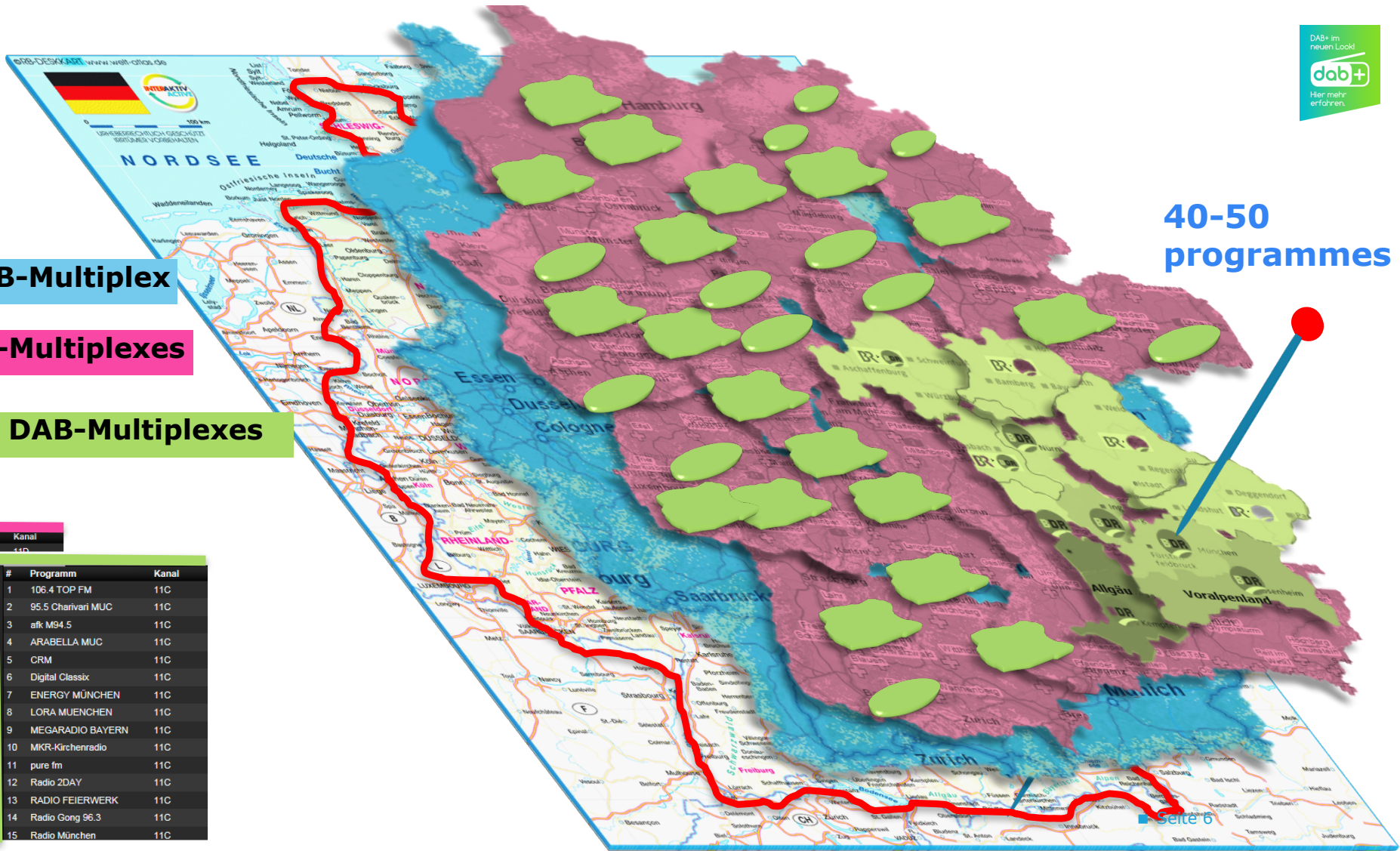
1. National DAB-Multiplex

Federal DAB-Multiplexes

#	Programm	Kanal
1	Absolut Relax	5C
2	Deutschlandfunk	5C
3	Deutschlandfunk 2	5C
4	DRadio D	5C
5	DRadio Wissen	5C
6	ENERGY	5C
7	ERF Plus	5C
8	Klassik Radio	5C
9	Radio BOB	5C
10	Radio Hore	5C
11	SCHLAGER	5C
12	Schwarzwa	5C
13	sunshine live	5C

#	Programm	Kanal
1	ANTENNE BAYERN	11D
2	B5 aktuell	11D
3	B5 plus	11D
4	Bayern 1 Nby/Opf	11D
5	Bayern 1 Obb	11D
6	Bayern 1 Schw	11D
7	Bayern 2 Sued	11D
8	BAYERN 3	11D
9	Bayern+	11D
10	BR-KLASSIK	11D
11	BR Heimat	11D
12	PULS	11D





40-50
 programme

1. National DAB-Multiplex

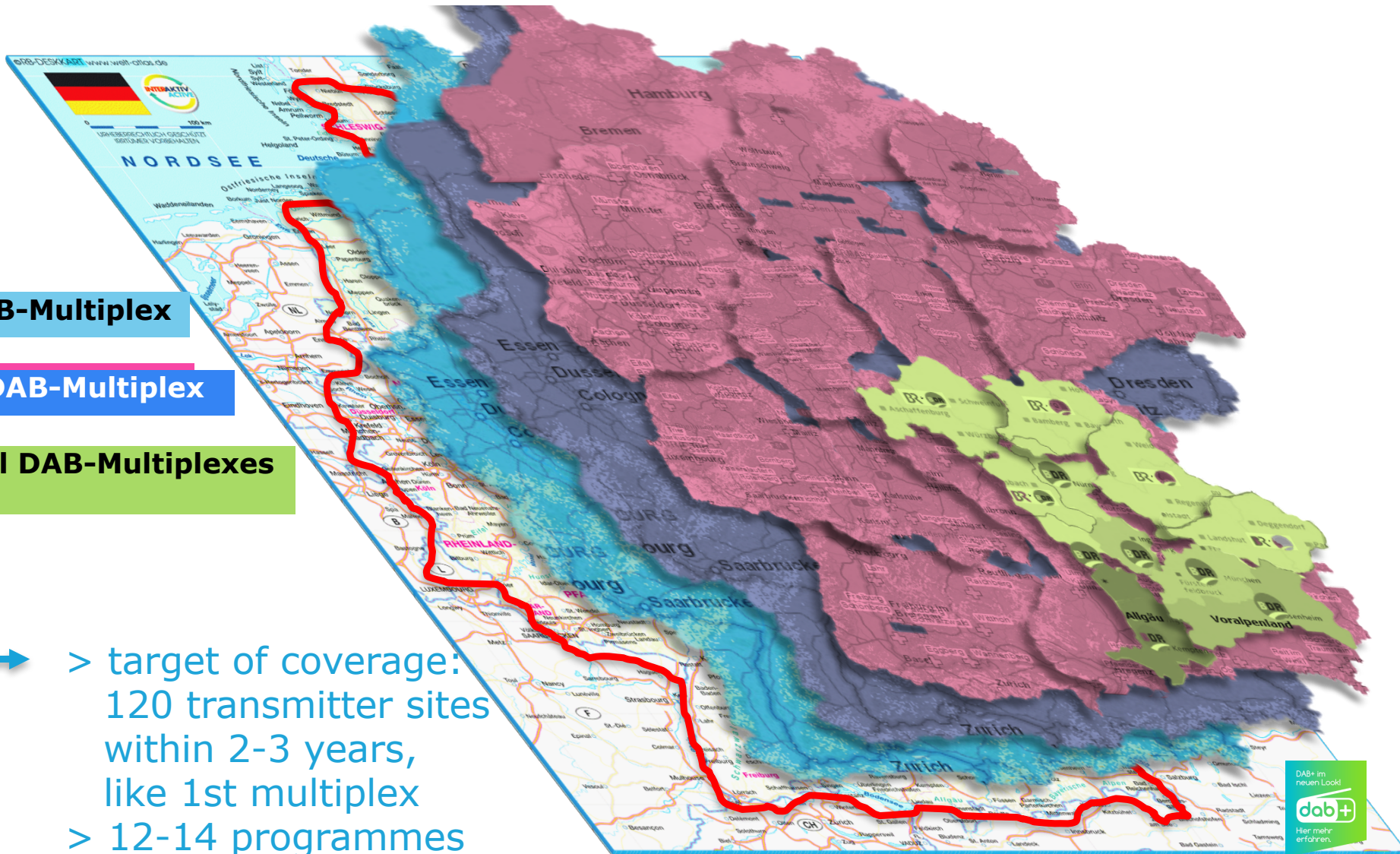
Federal DAB-Multiplexes

Regional DAB-Multiplexes

#	Programm	Kanal
1	Absolut Relax	5C
2	Deutschlandfunk	5C
3	Deutschlandradio Kultur	5C
4	DRadio DokDe	
5	DRadio Wissen	
6	ENERGY	
7	ERF Plus	
8	Klassik Radio	
9	Radio BOB!	
10	Radio Horeb	
11	SCHLAGERPAR	
12	Schwarzwaldrad	
13	sunshine live	

#	Programm	Kanal
1	ANTENNE BAYERN	11D
2	B5 aktuell	
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5	Bayern 1 Obb	
6	Bayern 1 Schw	
7	Bayern 2 Sued	
8	BAYERN 3	
9	Bayern+	
10	BR-KLASSIK	
11	BR Heimat	
12	PULS	

#	Programm	Kanal
1	106.4 TOP FM	11C
2	95.5 Charivari MUC	11C
3	afk M94.5	11C
4	ARABELLA MUC	11C
5	CRM	11C
6	Digital Classic	11C
7	ENERGY MÜNCHEN	11C
8	LORA MUENCHEN	11C
9	MEGARADIO BAYERN	11C
10	MKR-Kirchenradio	11C
11	pure fm	11C
12	Radio 2DAY	11C
13	RADIO FEIERWERK	11C
14	Radio Gong 96.3	11C
15	Radio München	11C

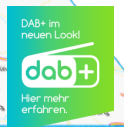


1. National DAB-Multiplex

2. National DAB-Multiplex

Regional DAB-Multiplexes (example)

- > target of coverage: 120 transmitter sites within 2-3 years, like 1st multiplex
- > 12-14 programmes



Key facts of 2. national DAB-Mux

Regulation:

- Media authorities will decide in November 2017
- Plattform licence on the 2.national mux
- 4 applicants, one cooperation
- Decision of all media authorities together

Timetable:

- Network development in 2018
- Programmes of 2nd nat.mux on air at the end of 2018 ?



Personal forecast: DAB in Germany 2020

- 2nd national Mux: another impulse for DAB and increasing market shares für radio
Programmes: in 3-4 levels everywhere in Germany between 40 and 60 radio
programmes on air.
- DAB receivers: more than 20 Mio in the households (incl. hybrid receivers)
- Public Radio: all programmes (64) on air on own DAB-networks
- Private Radio: nearly all private programmes on air
(reasons: competition and market shares)
- Migration a/d: benchmark figures of migration will be discussed,
even in Germany

