



Fernsehen und Radio für Südtirol
Televisione e radio per l'Alto Adige
Televisiun y radio per I Südtirol

DAB+ in Italy and South Tyrol

**WorldDAB General Assembly
10.11.2016 - Vienna**

Georg Plattner

**Rundfunk Anstalt Südtirol
Radiotelevisione Azienda Speciale**



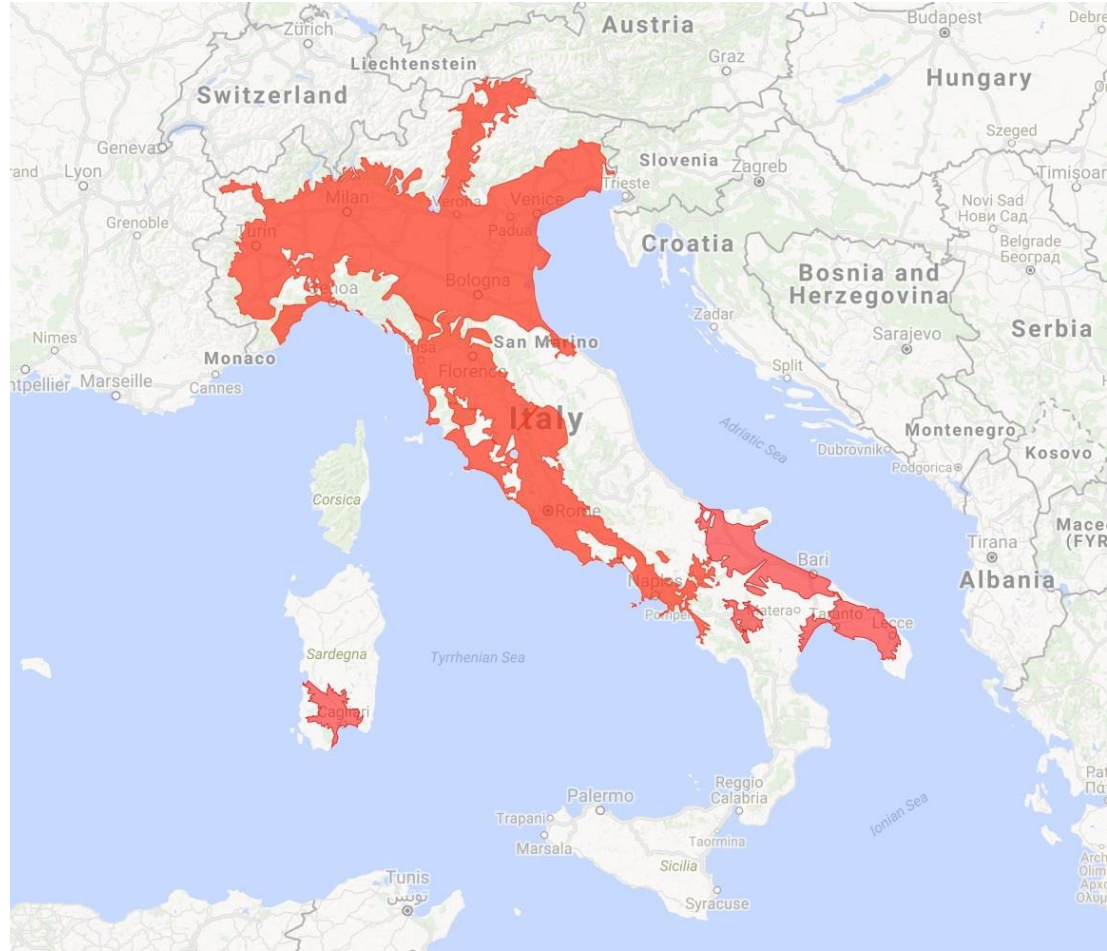


Italy summer 2016 - coverage 67%



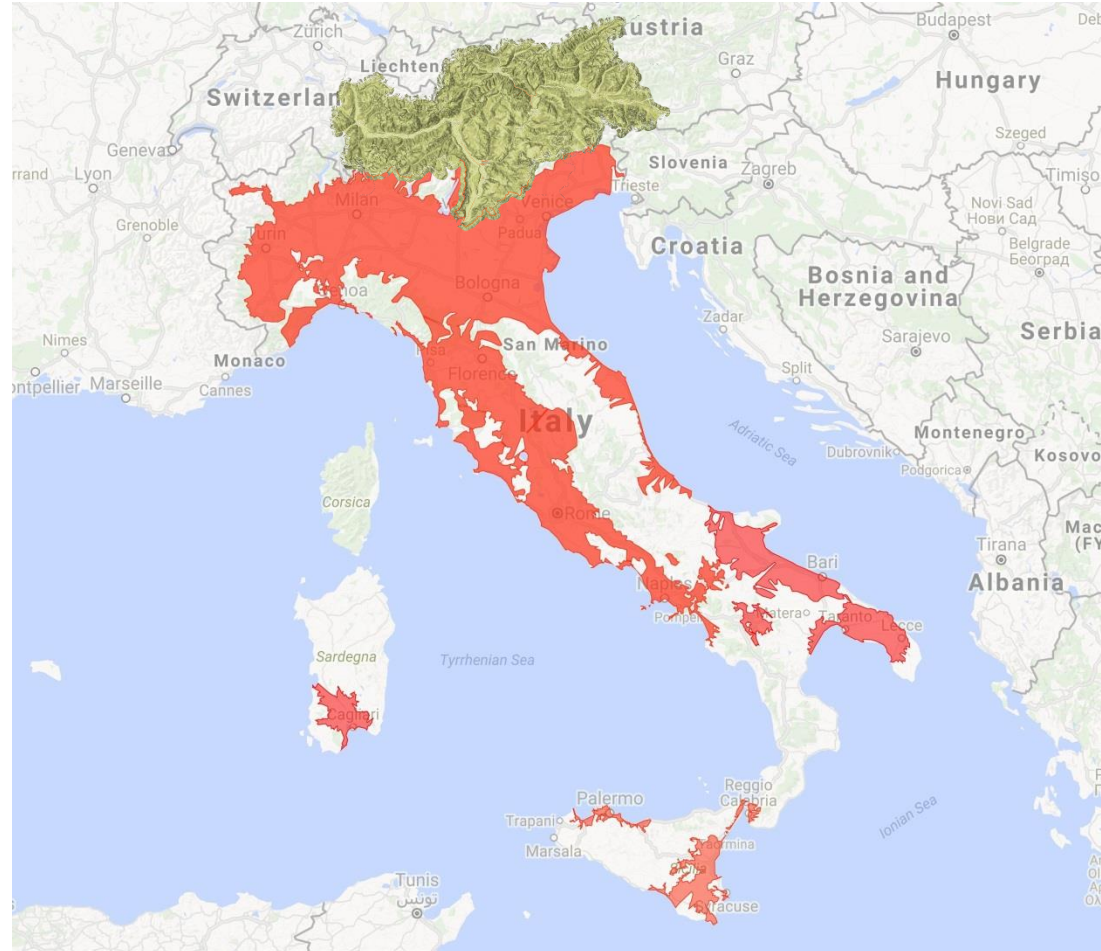


Italy November 2016 - coverage 72%





Italy spring 2017 - coverage 78%



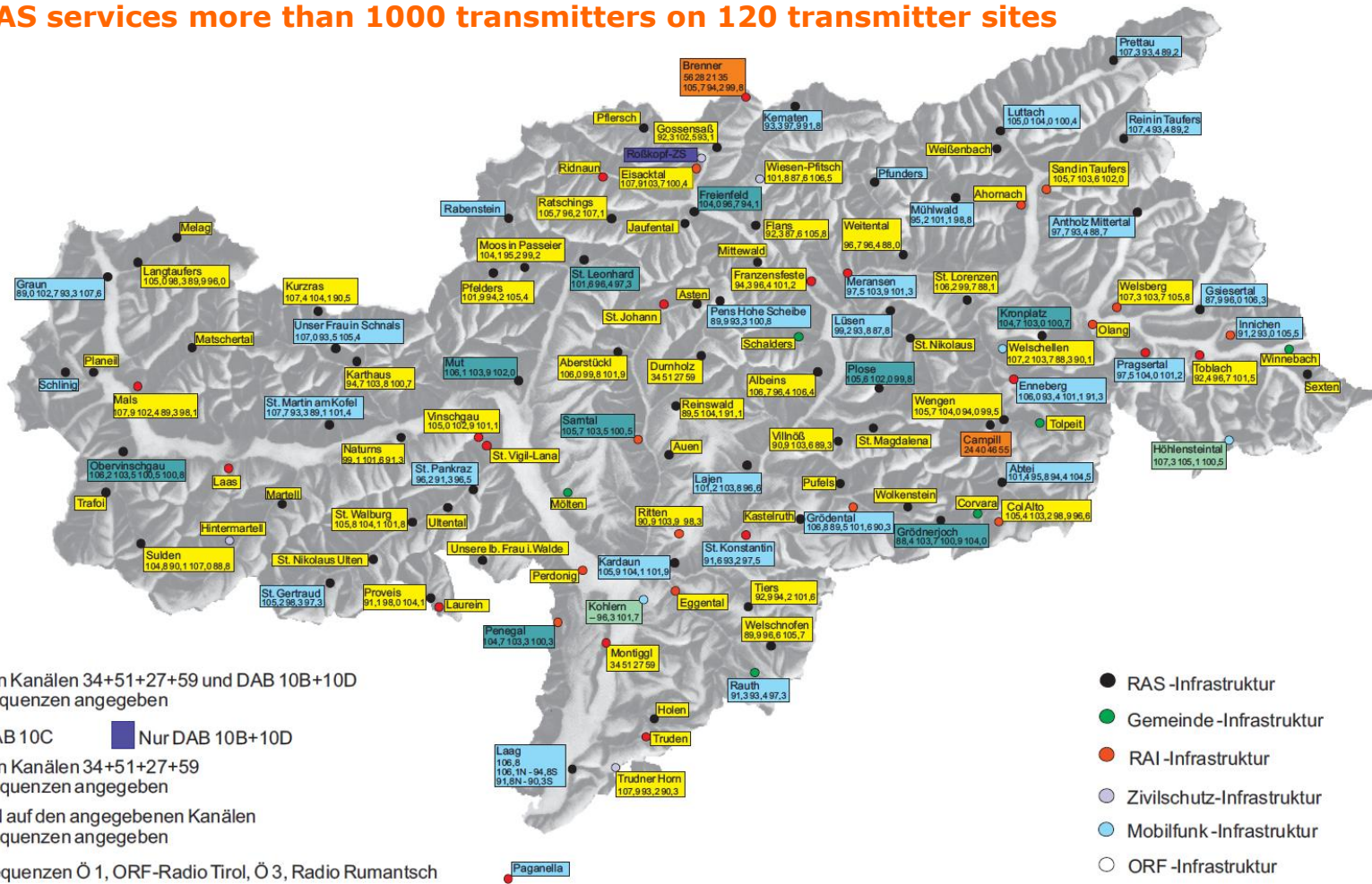


Distribution of German and Ladin radio and television in South Tyrol





RAS services more than 1000 transmitters on 120 transmitter sites



Light blue box: DVB-T auf den Kanälen 34+51+27+59 und DAB 10B+10D
UKW falls Frequenzen angegeben

Dark blue box: Zusätzlich DAB 10C Purple box: Nur DAB 10B+10D

Yellow box: DVB-T auf den Kanälen 34+51+27+59
UKW falls Frequenzen angegeben

Orange box: DVB-T - MFN auf den angegebenen Kanälen
UKW falls Frequenzen angegeben

Green box: Nur UKW: Frequenzen Ö 1, ORF-Radio Tirol, Ö 3, Radio Rumantsch

- RAS -Infrastruktur
- Gemeinde-Infrastruktur
- RAI -Infrastruktur
- Zivilschutz-Infrastruktur
- Mobilfunk-Infrastruktur
- ORF -Infrastruktur

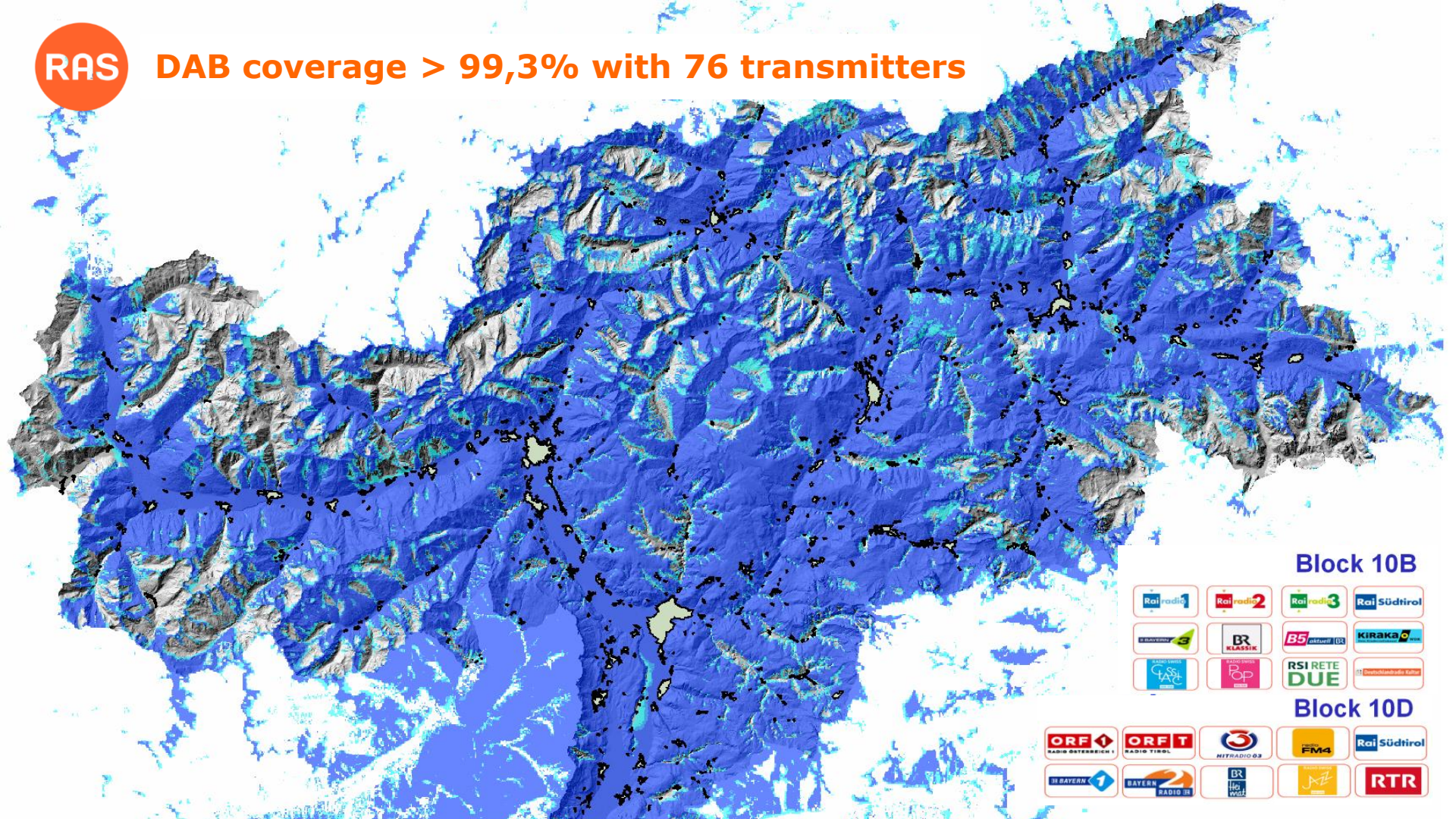


RAS operates 34 Digitalradio stations in South Tyrol



RAS

DAB coverage > 99,3% with 76 transmitters



Block 10B

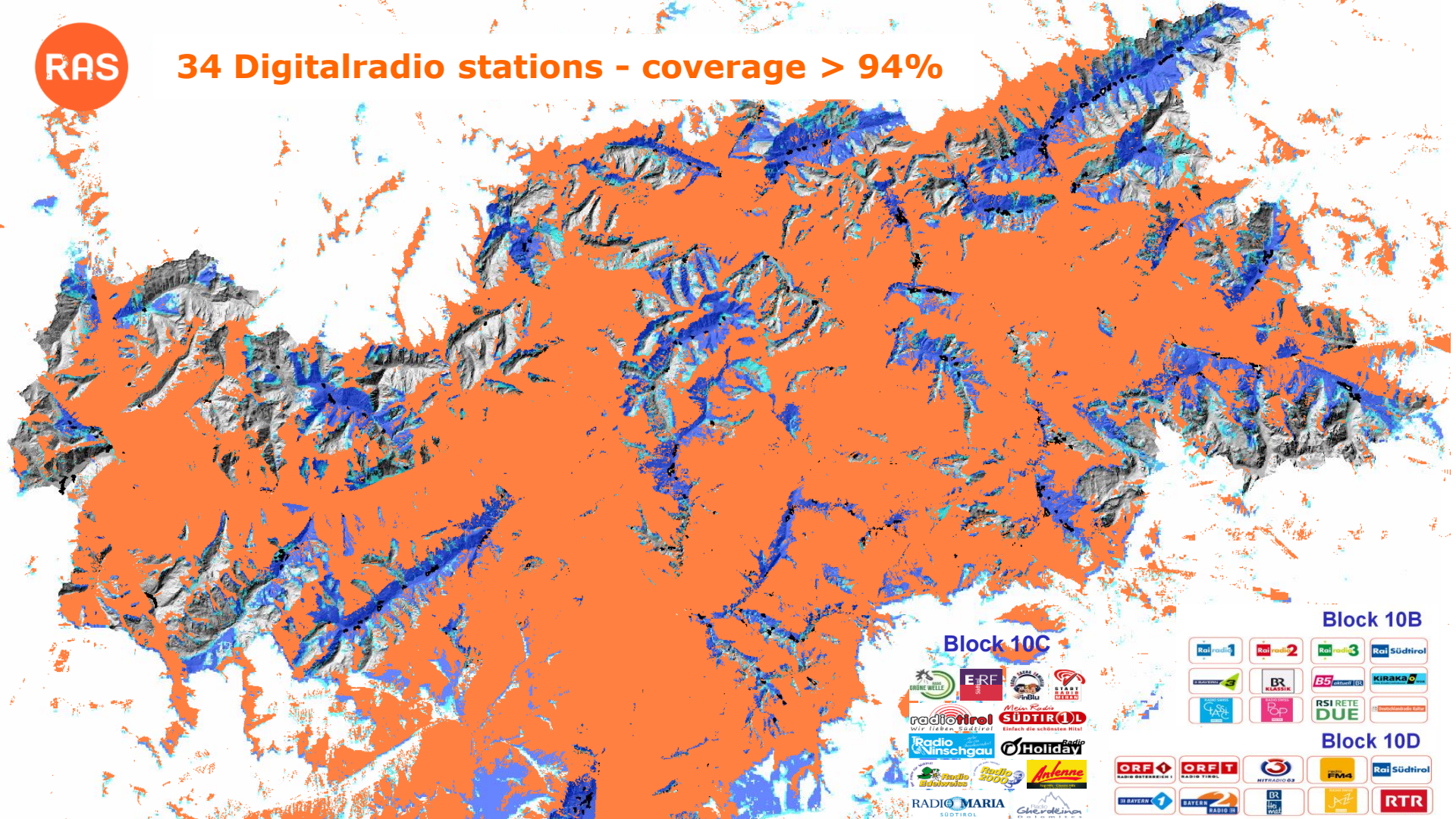


Block 10D



RAS

34 Digitalradio stations - coverage > 94%



Block 10C

Block 10B

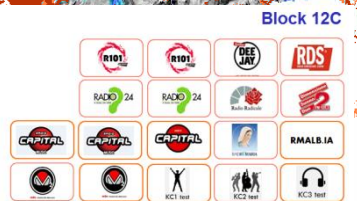
Block 10D

RAS

64 Digitalradio stations - coverage > 88%



Block 12A



Block 12C



Block 10C



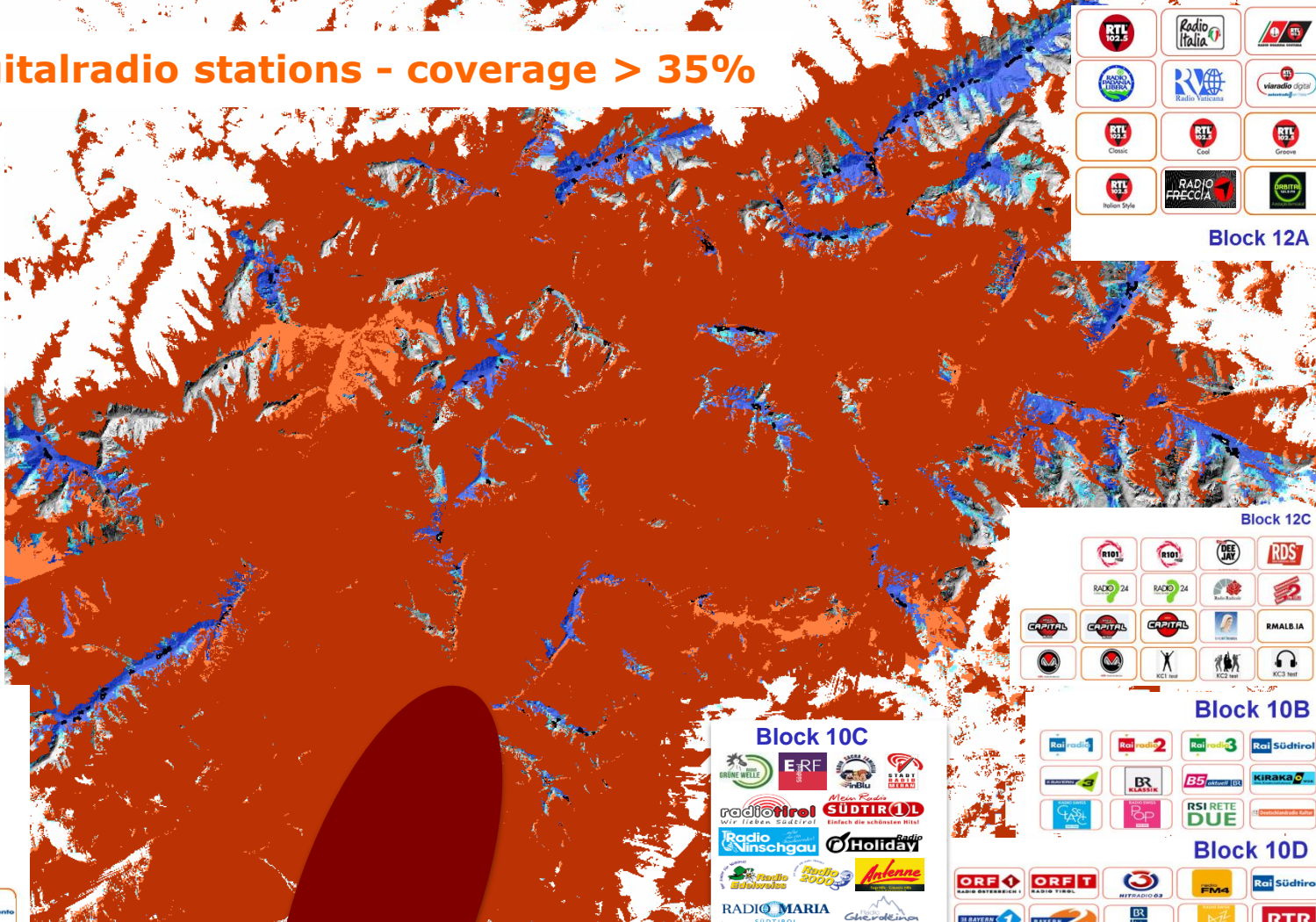
Block 10B



Block 10D

RAS

99 Digitalradio stations - coverage > 35%



Block 12D



	DELTA	
	Studio Piè	

Block 10A

Block 12B

Block 12A

Block 12C

Block 10B

Block 10D

Block 10C



DAB coverage in tunnels with $L > 500m$

A22 Highway:

Virgl
Franzensfeste

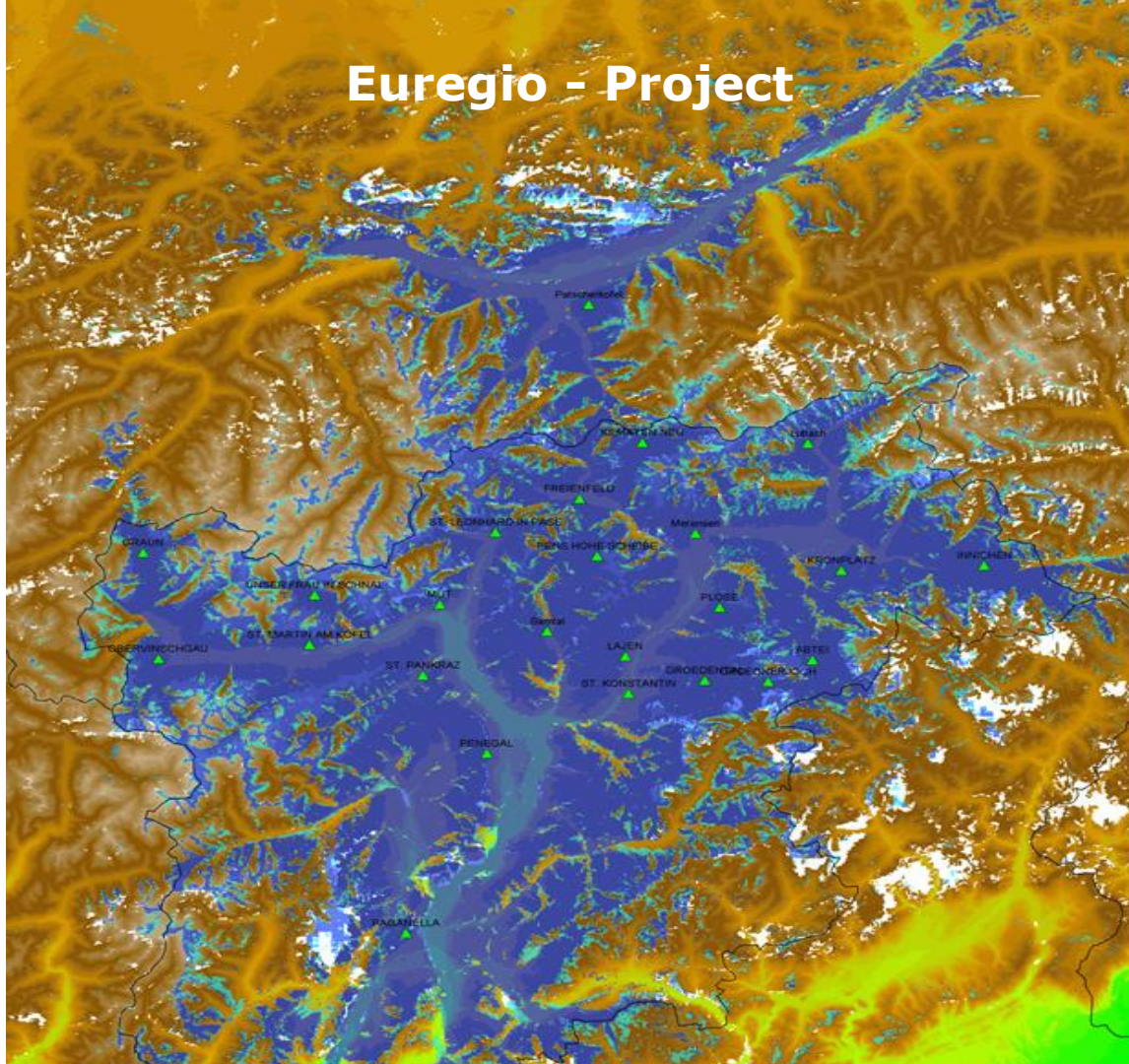
Main roads:

Auer
Brixen
Bruneck
Eggenal I+II
Gadertal I+II+III+IV
Leifers
MeBo
Mittewald
Mühlbach
Naturns
St. Jakob
Sarntal I+II
Schnals
Sonnenburg
Staben
Töll
Virgl
Waidbruck
Welsberg



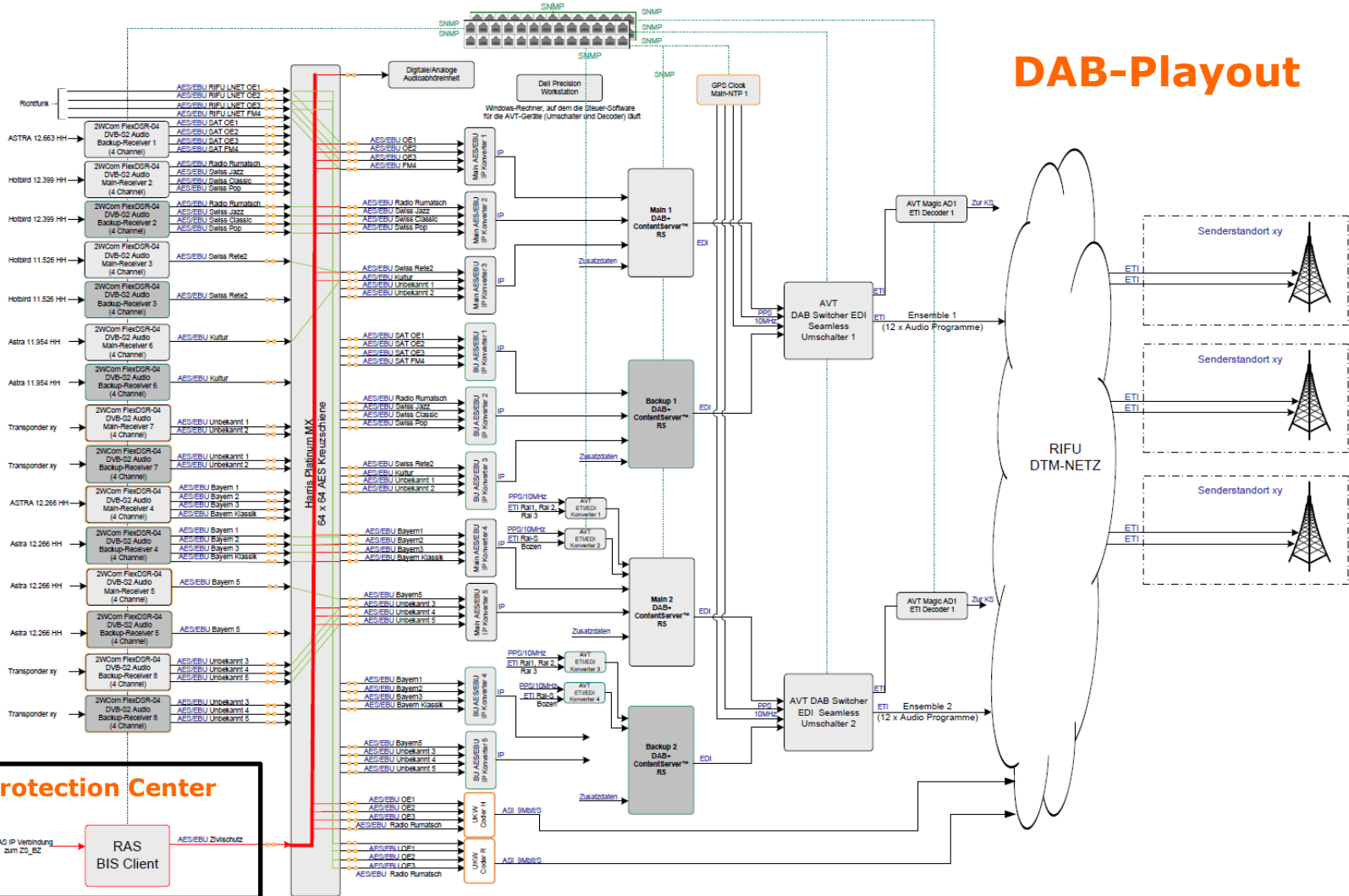


Euregio - Project



RAS

DAB-Playout

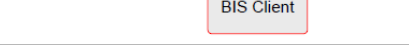


Civil Protection Center

RAS IP Verbindung zum SS_EZ

RAS BIS Client

AESEBU Zwischutz



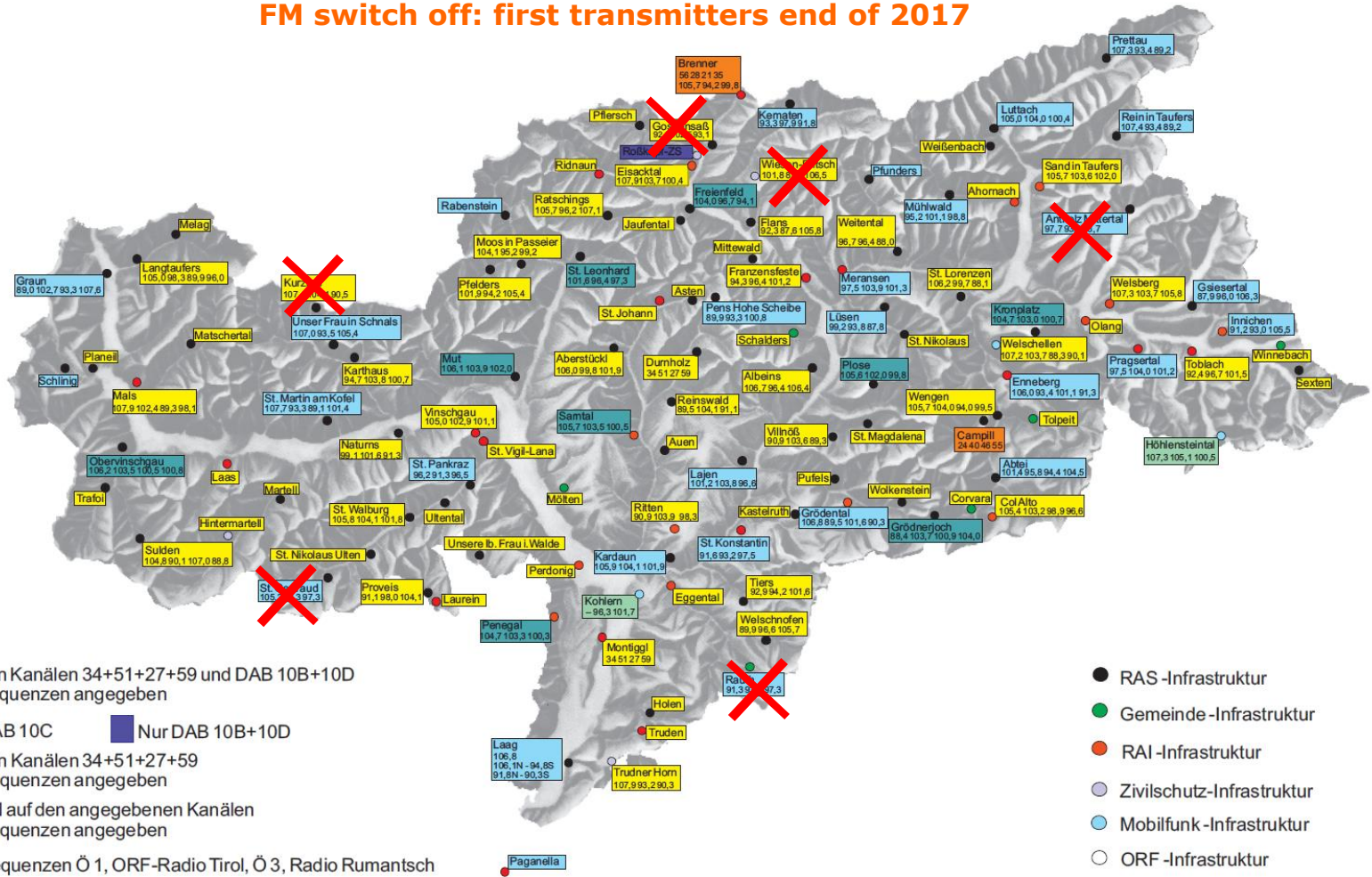


Switching from DAB to DAB+

Program	2016	2017
RAI Radio 1+	DAB+	DAB+
RAI Radio 2+	DAB+	DAB+
RAI Radio 3+	DAB+	DAB+
RAI SUEDTIROL+	DAB+	DAB+
RAS BAYERN 3	DAB	On 31.01.2017 switch to DAB+
RAS BR-Klassik	DAB	On 31.01.2017 switch to DAB+
RAS B5 aktuell	DAB	On 31.01.2017 switch to DAB+
RAS KIRAKA+	DAB+	DAB+
RAS DKultur +	DAB+	DAB+
RAS Swiss Pop+	DAB+	DAB+
RAS SwissClassic+	DAB+	DAB+
RAS BAYERN 1+	DAB+	DAB+
RAS BAYERN 2+	DAB+	DAB+
RAS OE 1	DAB	On 31.01.2017 switch to DAB+
RAS OE 3	DAB	On 31.01.2017 switch to DAB+
RAS ORF R-Tirol	DAB	On 31.01.2017 switch to DAB+
RAS FM 4	DAB	On 31.01.2017 switch to DAB+
RAS R.RUMANTSCH+	DAB+	DAB+
RAS Swiss Jazz	DAB	On 31.01.2017 switch to DAB+
RAI SUEDTIROL	DAB	On 31.01.2017 switch to DAB+
RAS BR Heimat	DAB+	DAB+
RAS RSI Rete 2+	DAB+	DAB+



FM switch off: first transmitters end of 2017



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RAS

Better quality and more choice with Digitalradio

Rai radio1

Rai radio2

Rai radio3

Rai Südtirol



Mein Radio
SÜDTIROL 1L
Einfach die schönsten Hits!

radiotirolo
Wir lieben Südtirol

Radio
Innschgau

ORF 1
RADIO ÖSTERREICH 1

ORF T
RADIO TIROL



radio
FM4



Radio
2000

Antenne
Top Hits - Classic Hits

Radio
Edelweiss

BAYERN 1

BAYERN 2
RADIO BR

BAYERN 3

B5 aktuell BR

Holiday Radio



ERF
Südtirol

RADIO MARIA
SÜDTIROL

RADIO SWISS
AZ
SRG SSR

RADIO SWISS
CLASSIC
SRG SSR

RADIO SWISS
POP
SRG SSR

BR
KLASSIK

Rai radio1
Trentino

Rai radio2
Trentino

Rai isoradio



Deutschlandradio Kultur

KiRaKa
Dein Kinderradiokanal WDR

RTR

BR
Heimat

Rai radiofd4

Rai radiofd5

Rai GrParlamento

RADIO 24
Il Sole della Città

RTL
102.5



Radio
Italia

RSI RETE
DUE

Rai wr6

Rai wr7

Rai wr8

RADIO
CAPITAL

RTL
102.5
Classic

RTL
102.5
Groove



viaradio digital
autostrade per l'Italia

Radio Radicale



DEE JAY



RTL
102.5
Italian Style

RADIO
FRECCIA

ORBITAL
A stazione di musica

RADIO
CAPITAL
MUSIC

Dimensione
Suono 2
Due / FM 105.3



R101
FM 105.3

RDS
RADIO DIMENSIONE SUONO



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