

IPET-OWR

TOKYO, JAPAN

13-16 MARCH, 2017

José Mauro de Rezende

BRAZIL

RADAR INSTALLATIONS

Argentina = 09

Brazil = 39

Colombia = 03

Ecuador = 03

F. Guyana = 01

Guyana = 01

Paraguay = 01

Suriname = 01

Venezuela = 08

RADAR INSTALLATIONS

S-Band = 36

X-Band = 02

C-Band = 01

ORGANIZATIONS

AIR FORCE, SIVAM and CEMADEN

SIMEPAR, FUNCEME, CEMIG, Universities, others

Plano Nacional de Gestão de Riscos e Resposta a Desastres Naturais

Radares Meteorológicos



SIVAM
 Manaus
 Porto Velho
 Belém
 Boa Vista
 São Gabriel
 Tefé
 Tabatinga
 Santarém
 Macapá
 Cruzeiro do Sul
 São Luís

CTH
 Salesópolis

UNESP
 Bauru
 Presidente Prudente

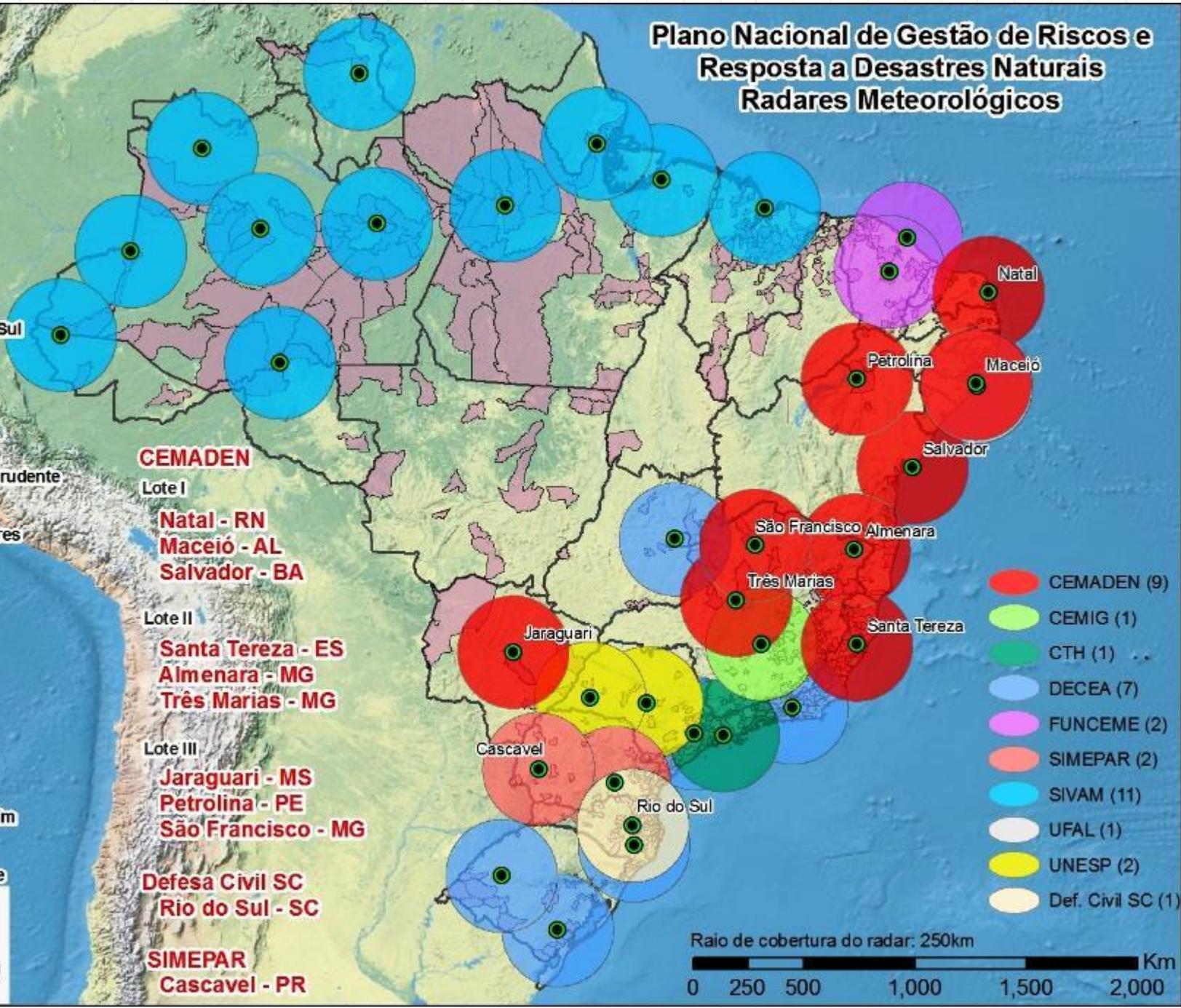
SIMEPAR
 Teixeira Soares

DECEA
 Canguçu
 Santiago
 Urubici
 Petrópolis
 São Roque
 Gama

UFAL
 Alagoas

FUNCEME
 Fortaleza
 Quixeramobim

CEMG
 Mateus Leme



CEMADEN
 Lote I
 Natal - RN
 Maceió - AL
 Salvador - BA

Lote II
 Santa Tereza - ES
 Almenara - MG
 Três Marias - MG

Lote III
 Jaraguari - MS
 Petrolina - PE
 São Francisco - MG

Defesa Civil SC
 Rio do Sul - SC

SIMEPAR
 Cascavel - PR

- CEMADEN (9)
- CEMIG (1)
- CTH (1)
- DECEA (7)
- FUNCEME (2)
- SIMEPAR (2)
- SIVAM (11)
- UFAL (1)
- UNESP (2)
- Def. Civil SC (1)

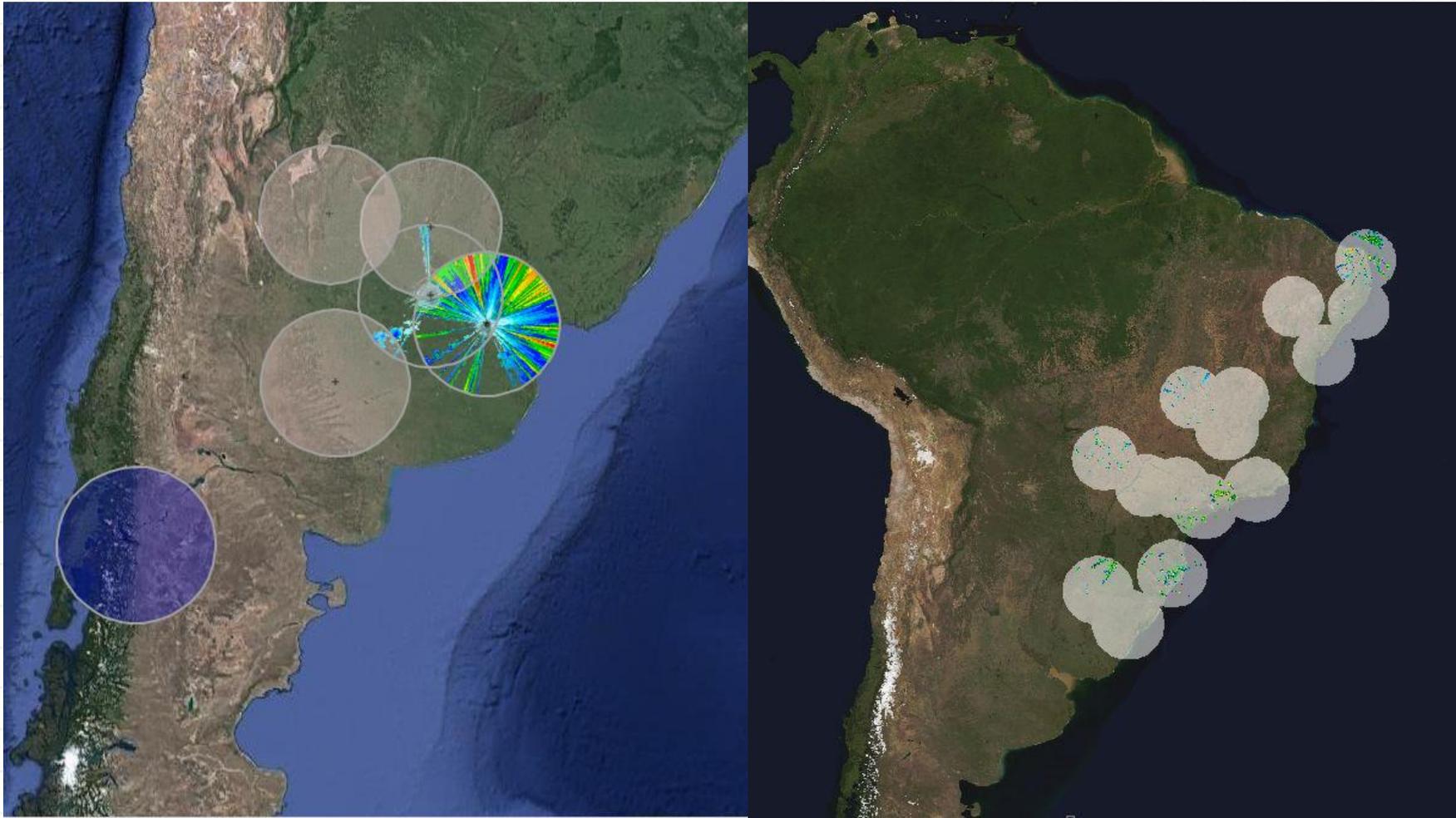
Raio de cobertura do radar: 250km

0 250 500 1,000 1,500 2,000 Km

DATA EXCHANGE

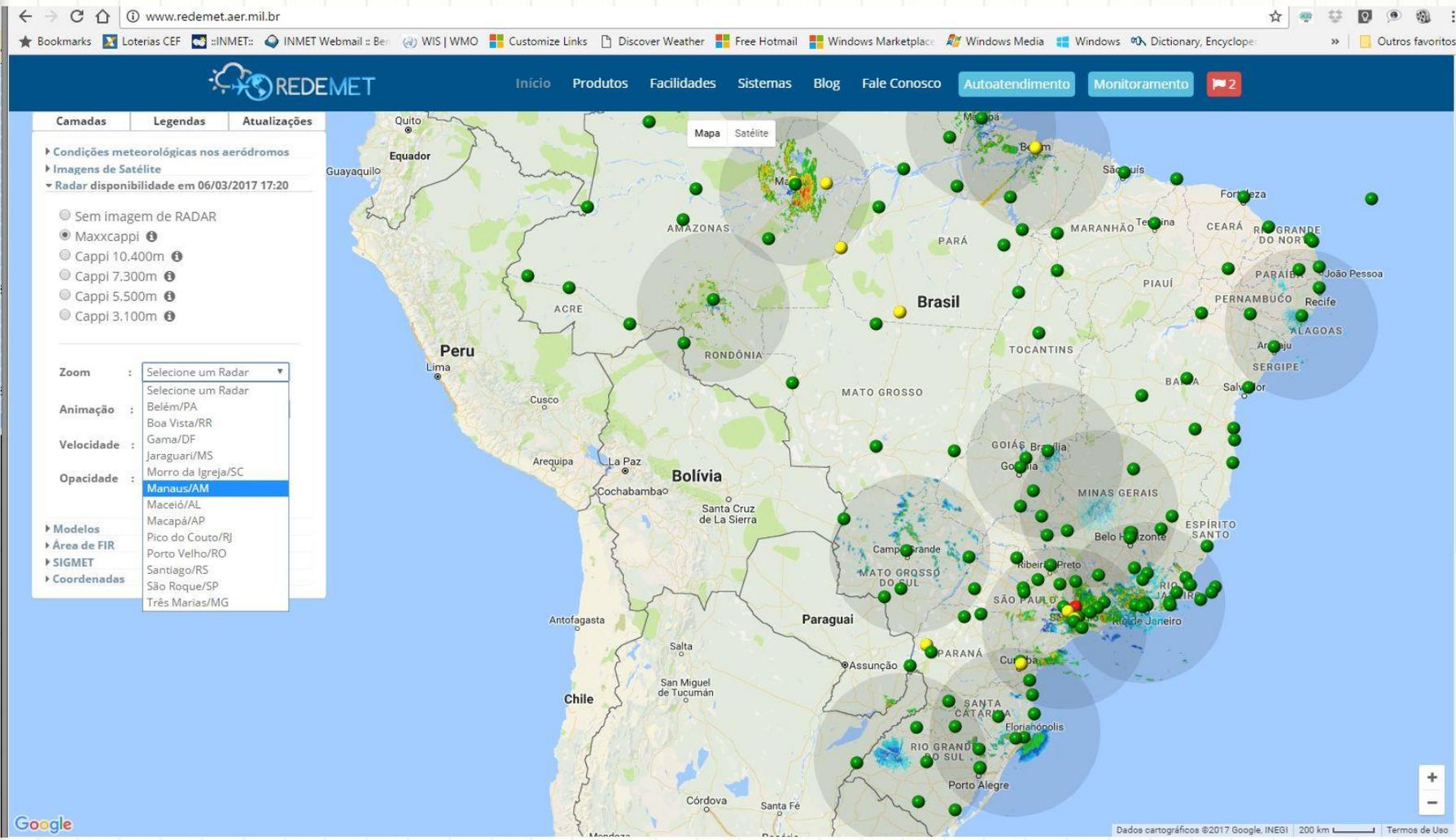
National = Between organizations

Regional = No data exchange



PRODUCTS

Maxxcappi, Cappi, NWS ingest (Rain Rate)
Accumulated Precipitation, Precipitation rate, etc.



DATA FORMAT

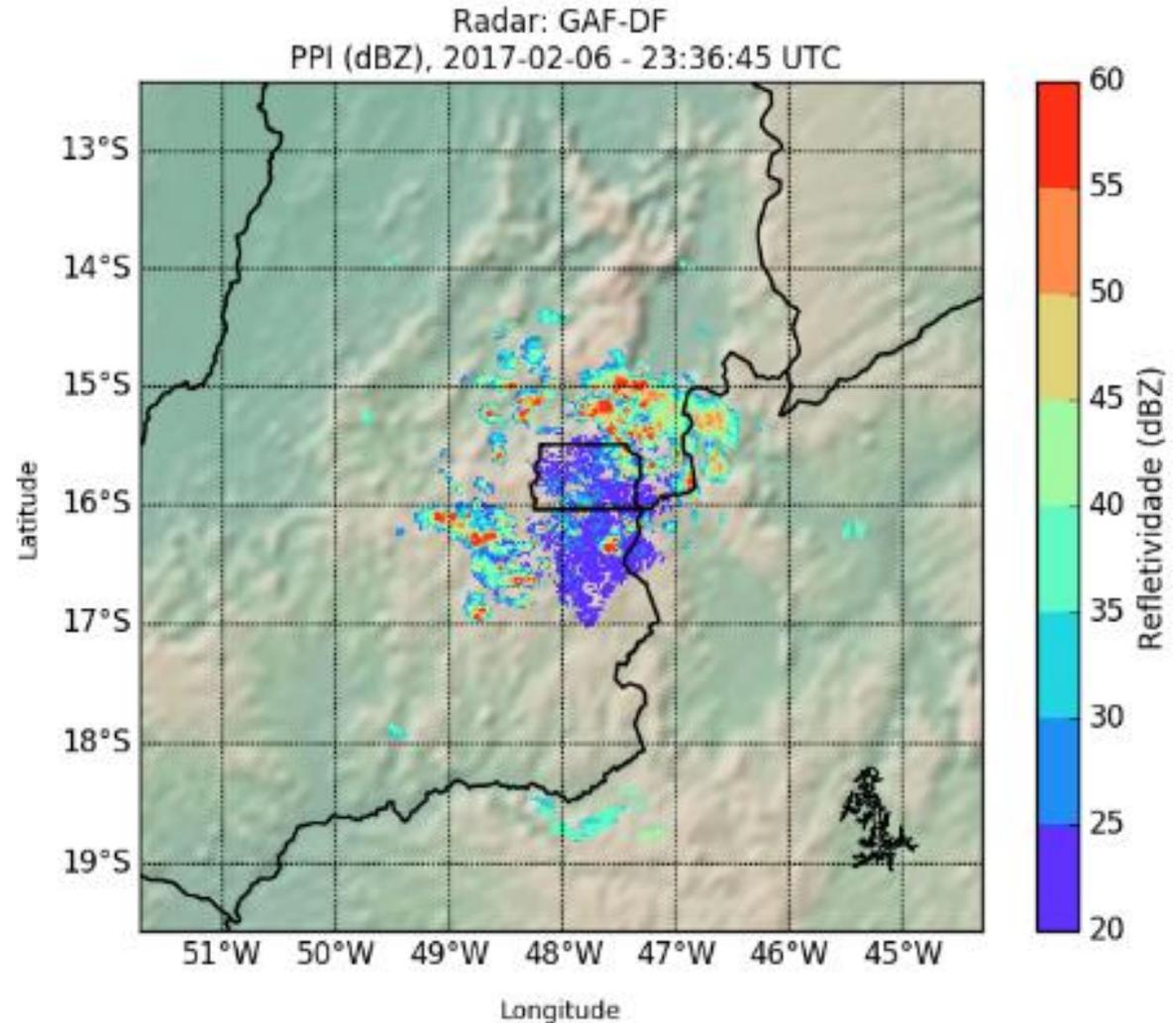
HDF-5 (ODIM, GAMIC)

NetCDF

EDGE

IRIS

GRIB



FUTURE

INTEGRATION (NATIONAL AND REGIONAL LEVEL)

COMMON DATA FORMAT

TRAINING

APPLICATION SOFTWARE

CAPACITY BUILDING

DATA AND PRODUCT DISSEMINATION

QUALITY CONTROL