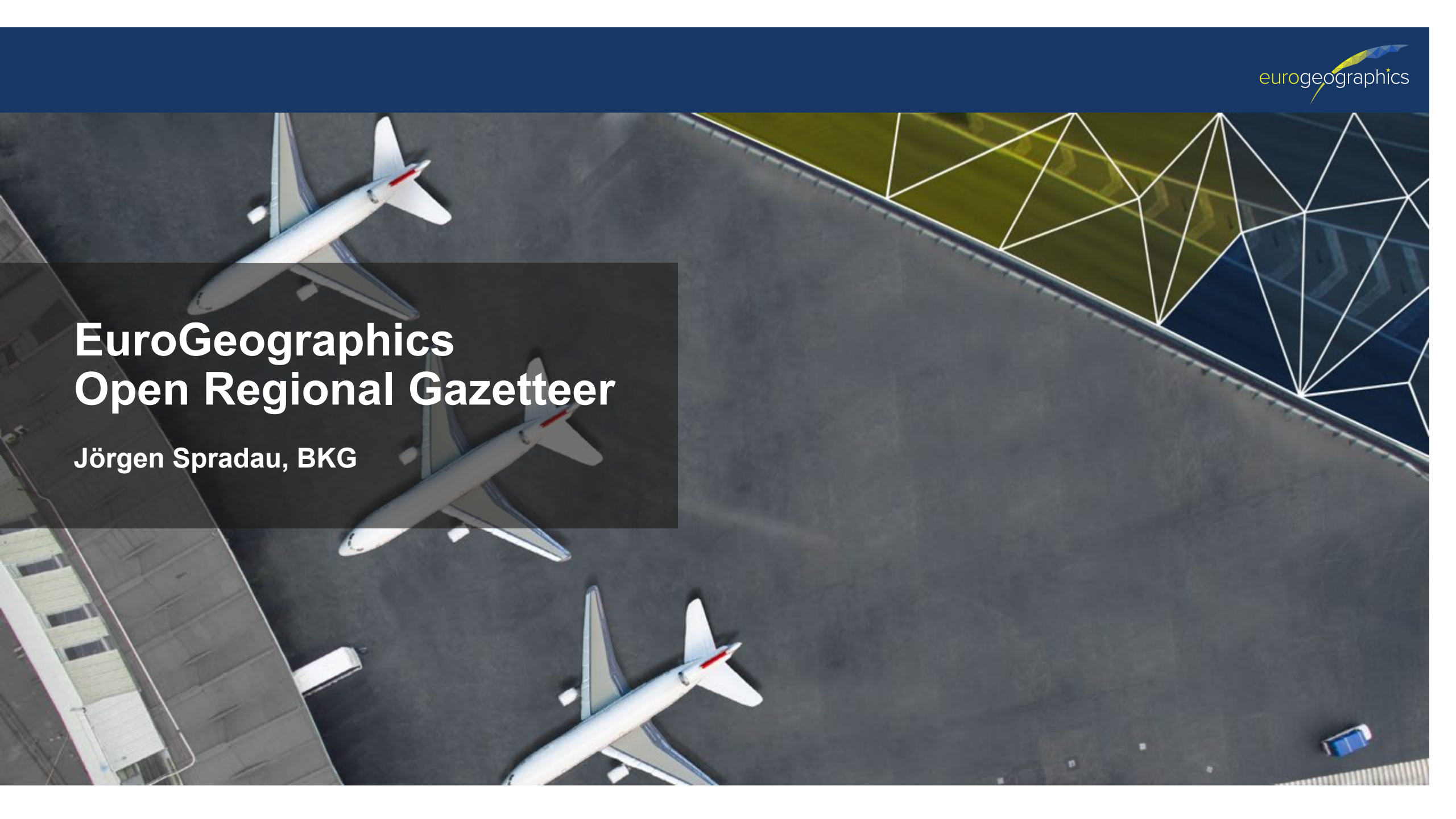


An aerial photograph of an airport tarmac with three large commercial airplanes parked. A semi-transparent dark rectangle is overlaid on the left side, containing the title text. On the right side of the image, there is a complex geometric overlay consisting of white lines forming a network of triangles, with some areas filled in yellow and blue.

EuroGeographics Open Regional Gazetteer

Jörgen Spradau, BKG

EG Producer Meeting, Ljubljana, 24th / 25th September 2019

Agenda

Motivation for creation of a European Gazetteer

Data model

Implementation

Publication

What's next?

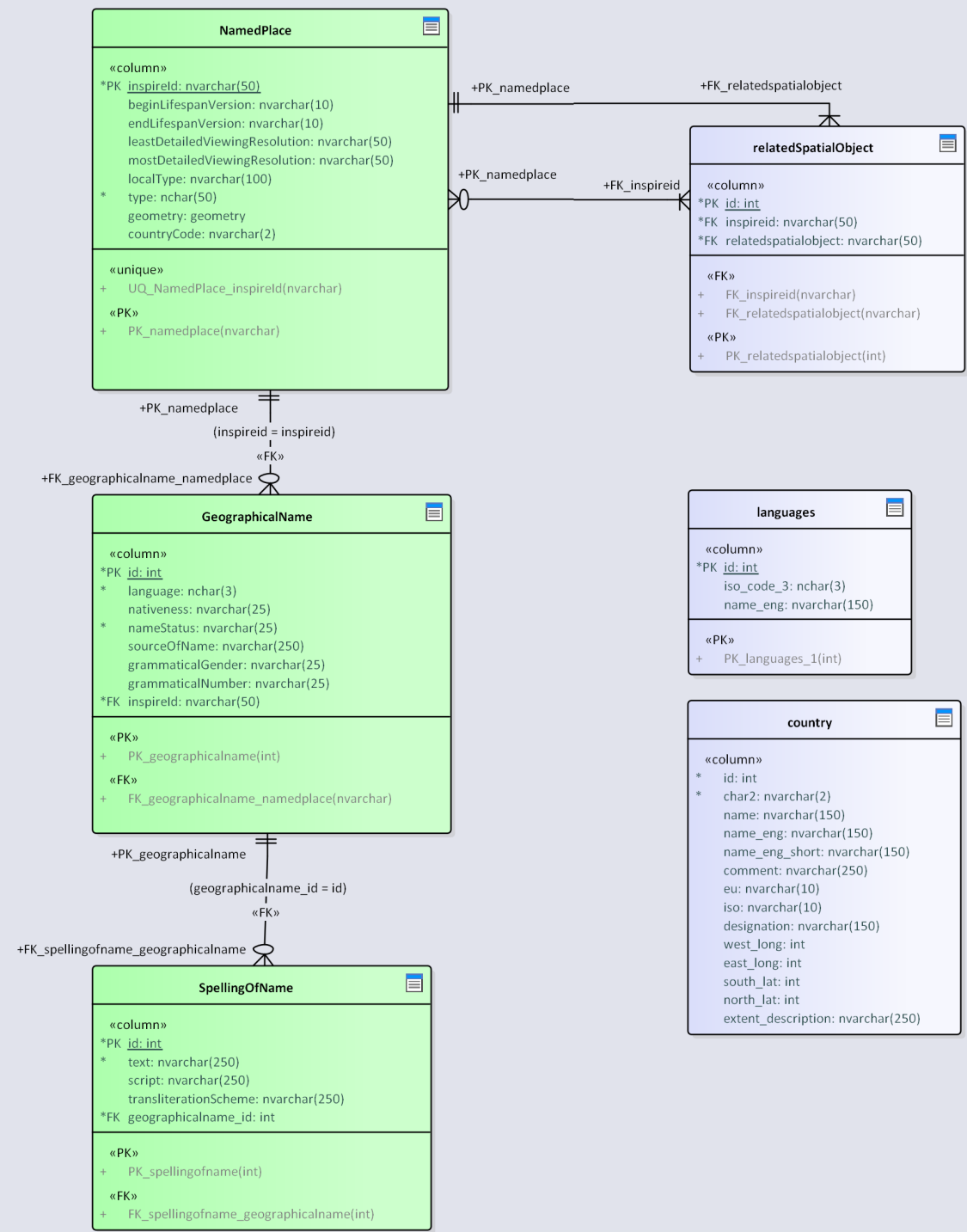
Motivation for creation of a European Gazetteer

- Provision of authoritative names data
 - Global: Currently NO gazetteer service exists providing comprehensive data
 - European: Existence of „cross-border“ patchwork through prototypes or national services→ Currently the best option for names data is not authoritative data:
<https://www.geonames.org/>
- INSPIRE compliant services
 - Up to now no European gazetteer available
 - Harmonisation of content still needed
- BKG supports global (UNGEGN) and European (EuroGeographics, INSPIRE et al.) names data activities



Data model

- INSPIRE GN data model
 - Points
 - InspireID as identifier
 - Tables with information to
 - Geographical names
 - Nativeness: endonym / exonym
 - Status: Official, standardized, historical, other
 - NamePlaceType: administrativeUnit, building, hydrography, landcover, landform, populatedPlace, protectedSite, transportNetwork, other
 - LocalType: ERM feature type
 - Language code and name: ISO 639-3
 - Transliteration scheme
 - Source: ERM 2019, ...
 - ...

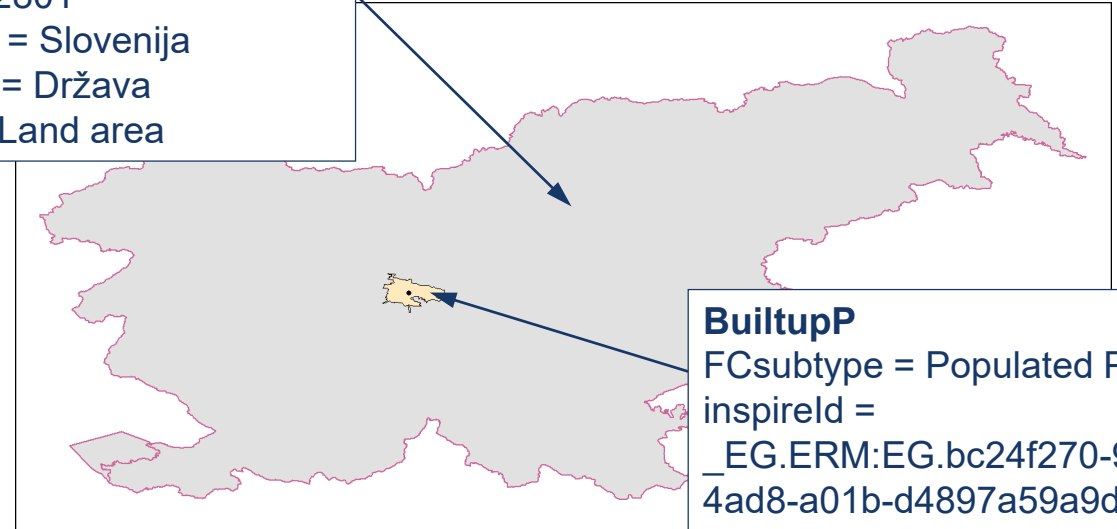


Implementation

- Source data
 - EBM 2019: AdministrativeUnit_x
 - ERM 2019:
BuiltupP, UrbanP, RailrdC, AirfldP/C,
FerryC, HarborP/C, ExitC,
LakeresA, IslandA, WatercrsA,
WatercrsL
 - Work by geographical name expert

AdministrativeUnit_1

inspireId =
_EG.EBM:AU1.SI000000.1
ICC = SI
SHN = SI000000
ISN = 2801
NAMN = Slovenija
DESN = Država
TAA = Land area

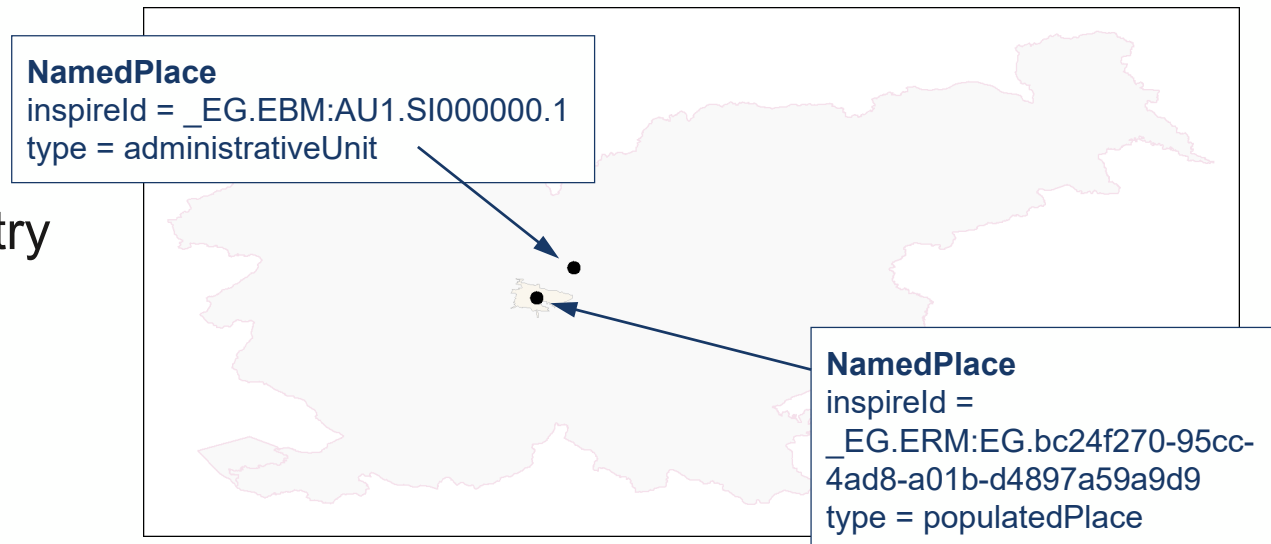


BuiltupP

FCsubtype = Populated Place
inspireId =
_EG.ERM:EG.bc24f270-95cc-
4ad8-a01b-d4897a59a9d9
F_CODE = AL022
ICC = SI
NAMN1 = Ljubljana
NAMA1 = Ljubljana
NLN1 = SLV
PPL = 280310
USE = International
PopulatedPlaceID =
N.SI.BUILTUP.10110084

Implementation

- Only reference points are used as geometry
→ All EBM/ERM features with line or area geometry are generalised to points



<u>inspireID</u>	text	nativeness	language	namestatus	...
_EG.EBM:AU1.SI000000.1	Slovenija	endonym	slv	official	
_EG.EBM:AU1.SI000000.1	Slovenia	exonym	eng	standardised	
_EG.EBM:AU1.SI000000.1	Словения	exonym	bul	standardised	
...					
_EG.ERM:EG.bc24f270-95cc-4ad8-a01b-d4897a59a9d9	Ljubljana	endonym	slv	official	
_EG.ERM:EG.bc24f270-95cc-4ad8-a01b-d4897a59a9d9	Љубљана	endonym	srp	other	
_EG.ERM:EG.bc24f270-95cc-4ad8-a01b-d4897a59a9d9	Liubliana	exonym	spa	standardised	
...					

Implementation

- River Rhine
 - Endonyms included in ERM:
 - IJssel
 - Neder-Rijn
 - Waal
 - Rijn
 - Rhein
 - Le Rhin
 - ...
 - Exonyms for “Rhein” from name expert
 - Rhine
 - ...



Publication

- Licensing:
Utilisation of data from existing EuroGeographics' Pan European products, published as an Open service
- Published as OGC Web Feature Service (WFS)
- Published as database (GeoPackage, .gpkg)



→ <https://www.euro-geo-opendata.eu/service/open-regional-gazetteer-service>

Publication

- Coverage:
Open Regional Gazetteer

→ 29 of the 38 members
have signed the
data provider agreement



EG Producer Meeting, Ljubljana, 24th / 25th September 2019

Thank you for your attention

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