

Knowledge Graph Alliance Kick-off meeting  
Brussels, 10th November 2023



# AIRBUS

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# Airbus as an Aircraft Manufacturer



We design,  
manufacture and  
sell a whole  
product line  
of aircrafts





**We support our customers  
for operations & maintenance**





**We do that at scale.  
Day, night. Worldwide.  
For the last 45+ years.**





# Airbus as a Data Company.





A vast interconnection of IT systems  
and information flux.





Vast?





Yes. REALLY vast.

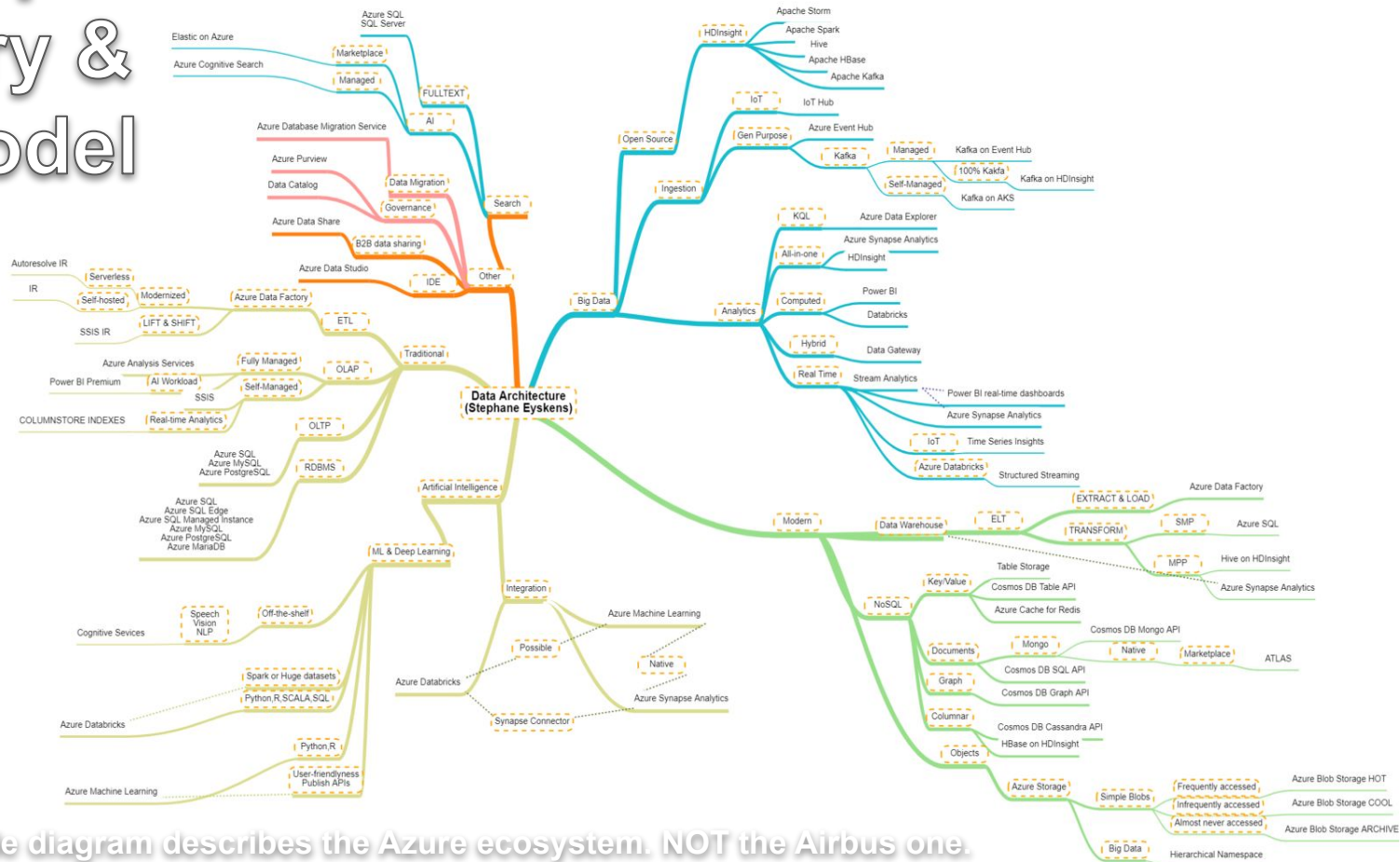




Having a map of the architecture helps a lot!



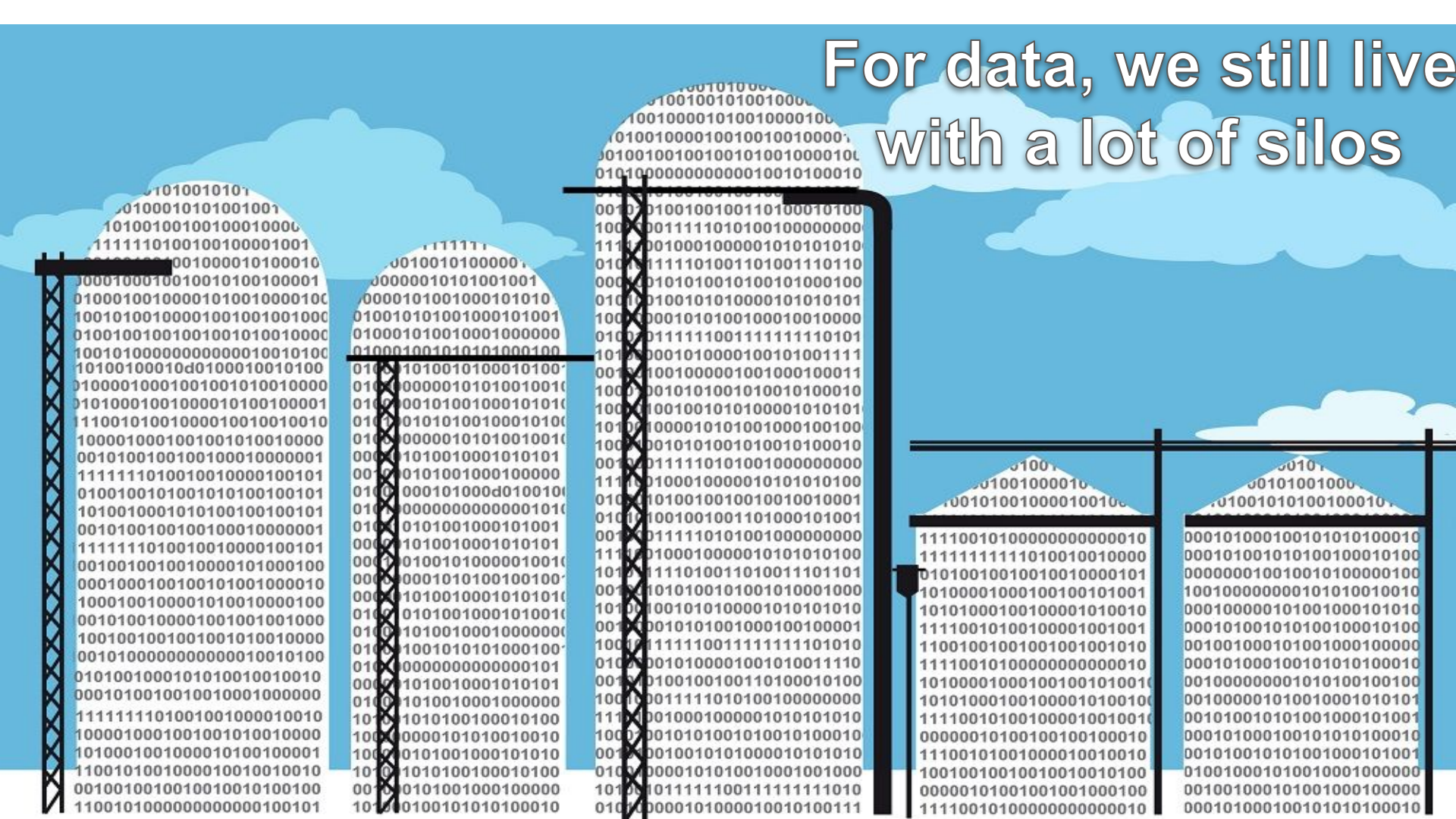
# With a proper vocabulary & mental model



Disclaimer: this example diagram describes the Azure ecosystem. NOT the Airbus one.



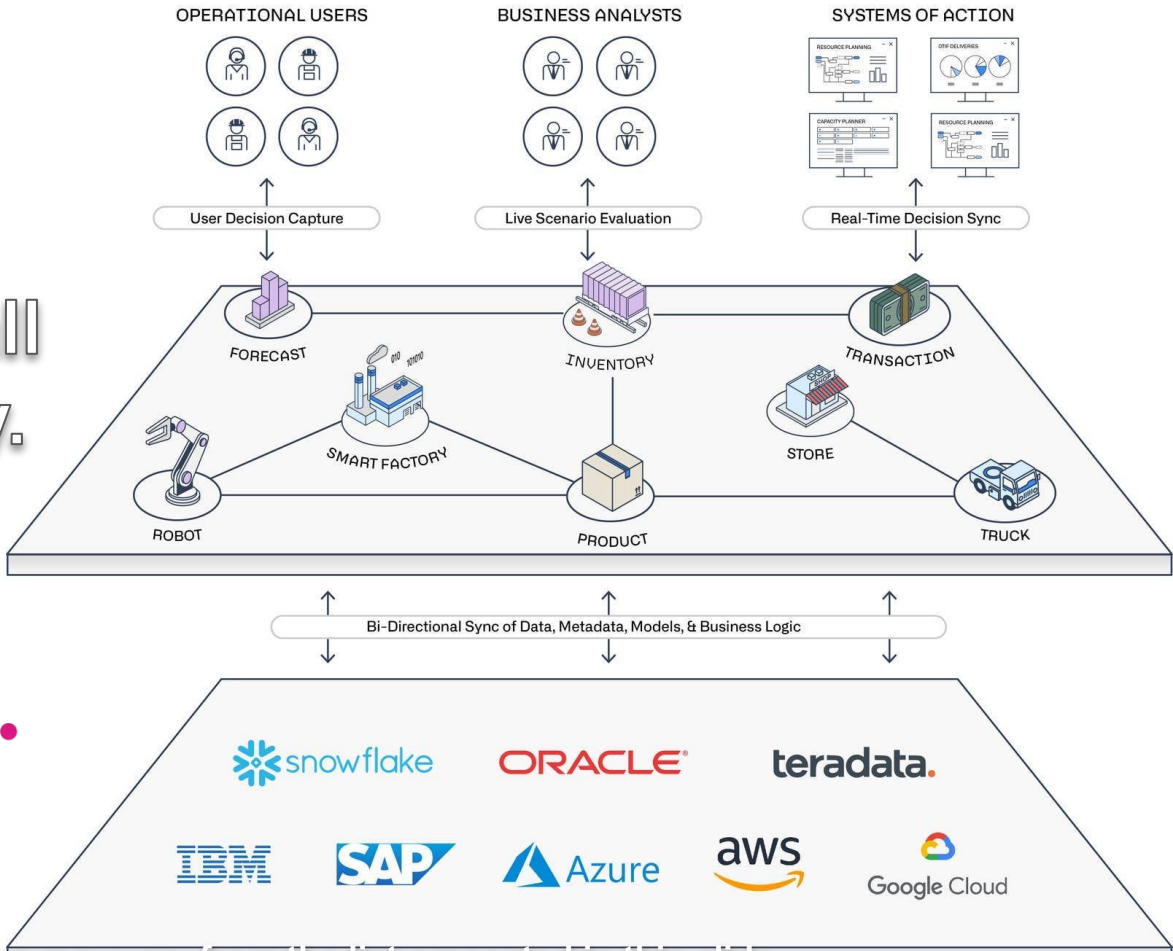
For data, we still live  
with a lot of silos





But we also have a data integration platform.

And it is getting a LOT of momentum all across the company.



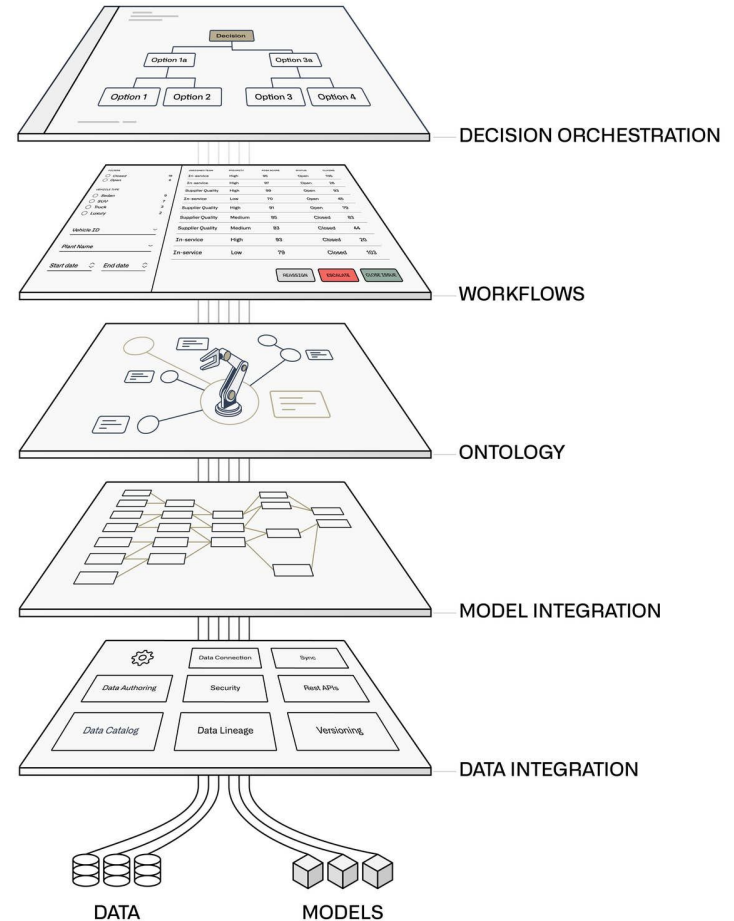
**skywise.**

Disclaimer: the connectors used by Skywise may vary from the list presented in this slide.



This data integration platform endorses a “data management + ontology management” approach. At scale.

**skywise.**





# Skywise is a ready-to-use, best in class, Data Analytics environment

to fasten and industrialise our Data projects

skywise.

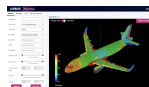
## Skywise provides :

### Business Solutions for Airbus Business end-users



#### RECURRING SAVINGS

Arcane, PCT, DIP, ePassport, SRA



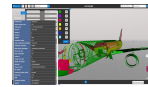
#### ONE-TIME SAVINGS

Prometheus (A380 Sunset)



#### CAPACITY INCREASE

Tandem, SA Station 40



#### ENABLER

xBom, xCockpit, Flight Test



#### DISRUPTION MANAGEMENT

Brexit, Coronavirus, IMOTEP

### Ready to use advanced Analytic tools for Business Users, Data Analysts, data engineers/developers



EXPLORE DATA OBJECTS



CREATE FORMS



CREATE YOUR DASHBOARDS OR SMALL APPS



GENERATE REPORTS



PLOT & ANALYSE SENSOR DATA



DEV/ CODE IF NEEDED



ADVANCED DATA SCIENCE & AI TOOLS



AND MUCH MORE

### Trusted & cleaned Data sets validated by Data Governance and synchronised with Airbus, Airlines and supplier IT



AIRLINES OPERATIONS & SENSOR DATA



MANUFACTURING



ENGINEERING



PROCUREMENT



CUSTOMERS SERVICES



SUPPLIERS



PROGRAMMES



MAINTENANCE



LOGISTIC & TRANSPORT



QUALITY

### Enterprise grade support & services



HELPDESK



TRAININGS



MONITORED & SUPERVISED



SKILLED DEV TEAM TO SUPPORT YOUR TEAMS IN COMPLEXE APP DEVELOPMENT



LARGE ACTIVE COMMUNITY OF TRAINED USERS

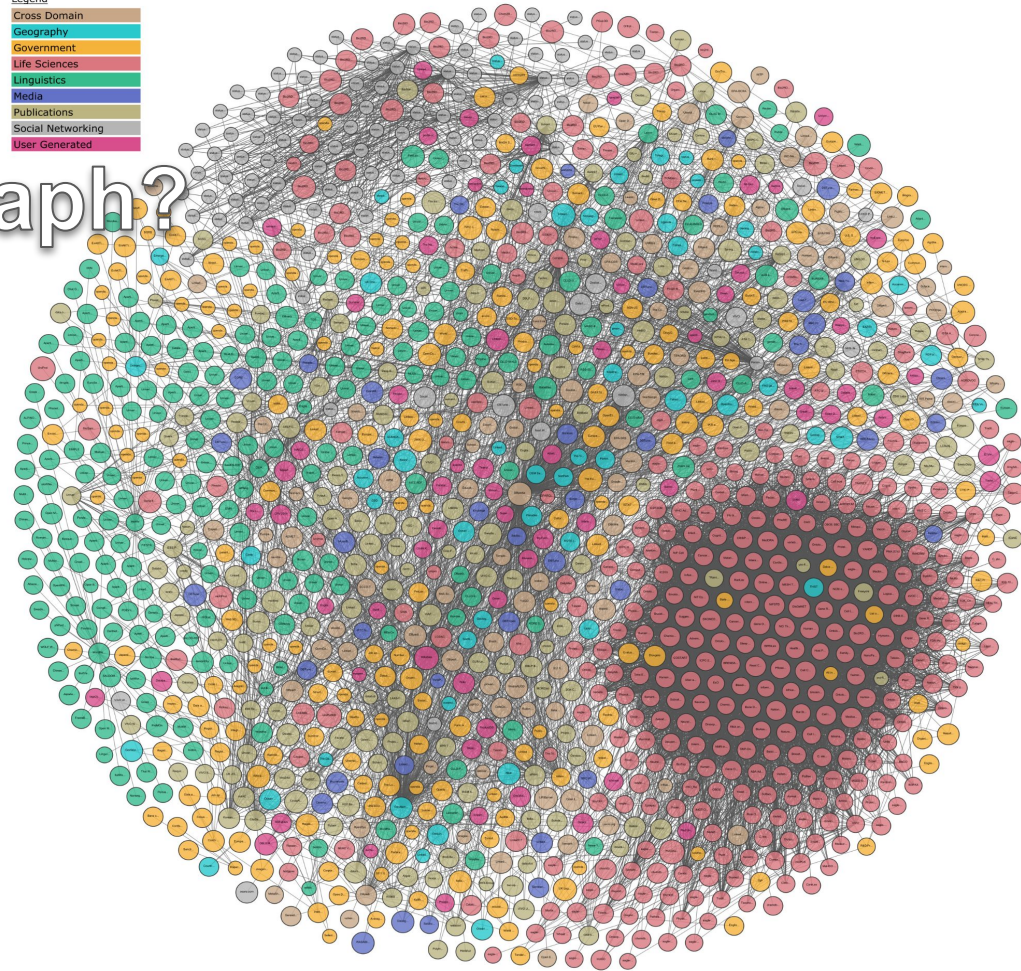
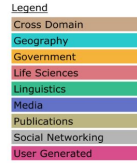
- ✓ Fully integrated with Airbus IT
- ✓ Secure and compliant by Design
- ✓ Natively Scalable
- ✓ Monitored and Managed
- ✓ Highly available platform

# Coordinating this approach for so many different domains is challenging.

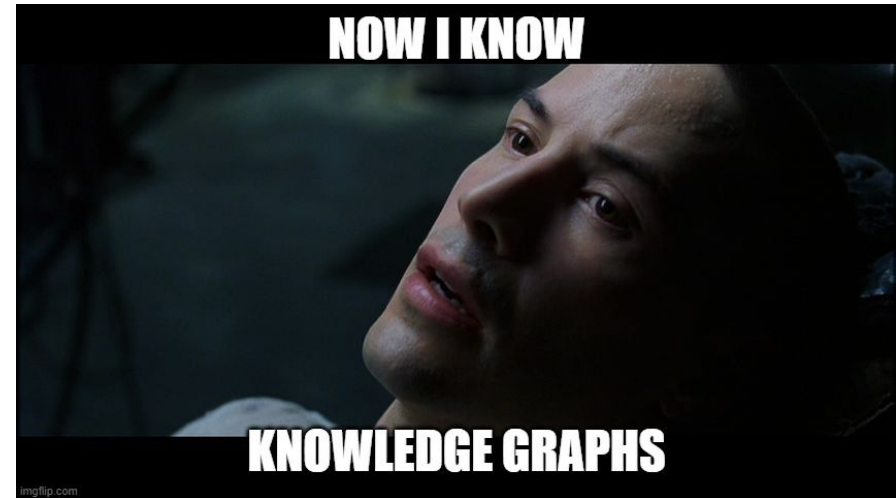




# Is it the path towards a Airbus Knowledge Graph? YES!



The Knowledge Graph Alliance  
is a place for  
experience sharing &  
common work,  
towards the emergence,  
adoption and success  
of Knowledge Graphs  
in the industry.





We will share  
our experience  
in that domain,  
and will learn a lot  
from the other members.

TEAM

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T TOGETHER  
E EVERYONE  
A ACHIEVES  
M MORE



In one word,  
we are happy  
to be part of the  
Knowledge Graph  
Alliance.





