



December 4th, 2024

Community of Interest Webinar Series

How the EURACAN registry is currently working

Annalisa Trama

Istituto Nazionale dei Tumori and IDEA4RC coordinator

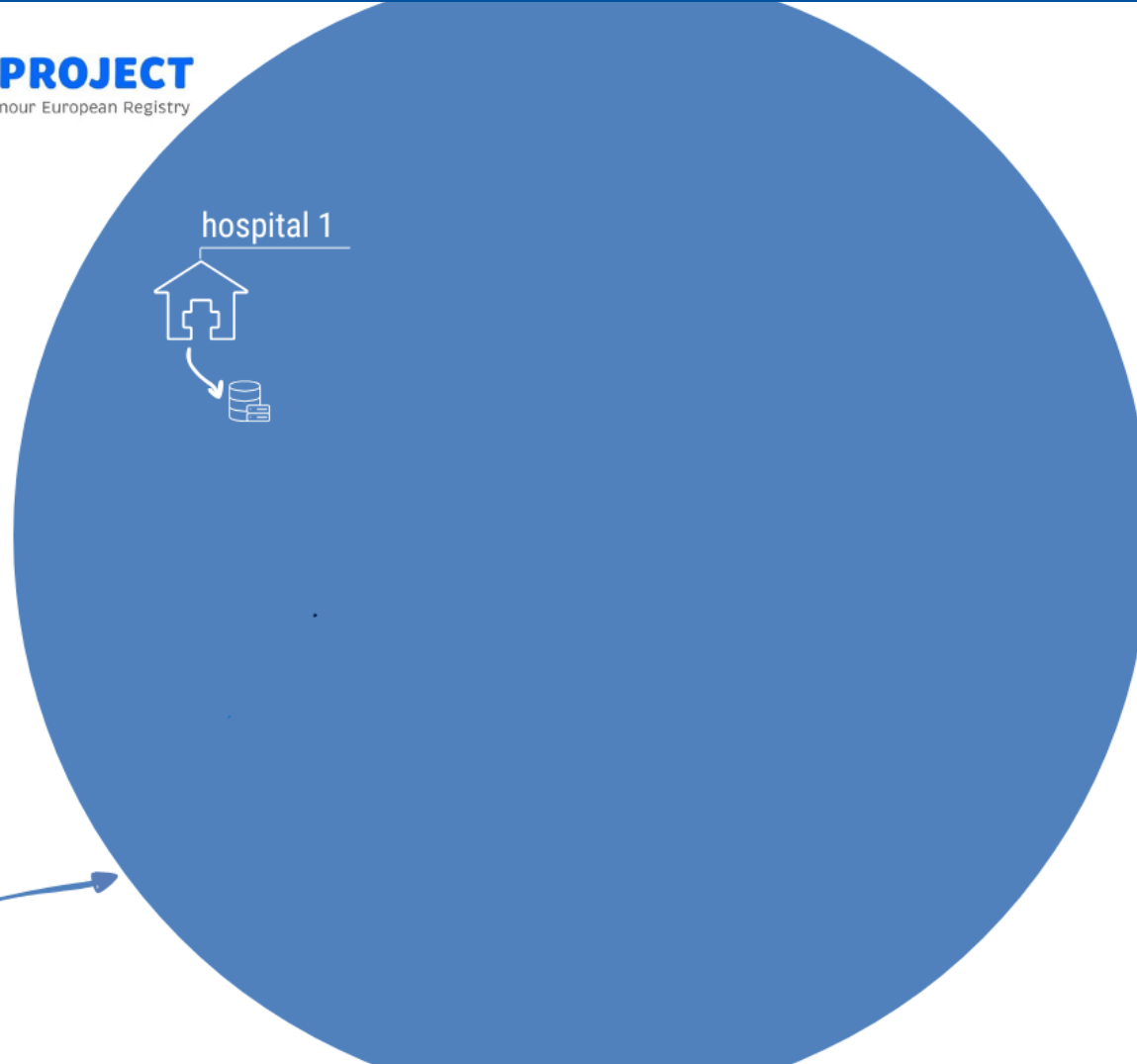


This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement 101057048

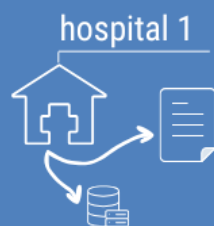
Starter



Starter



Starter



Starter



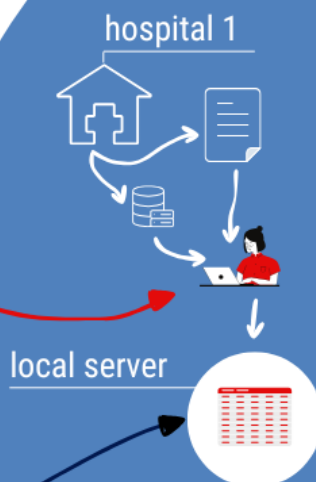
manual
input of
data
using
REDCap



Starter



manual
input of
data
using
REDCap



head and
neck
cancers
data

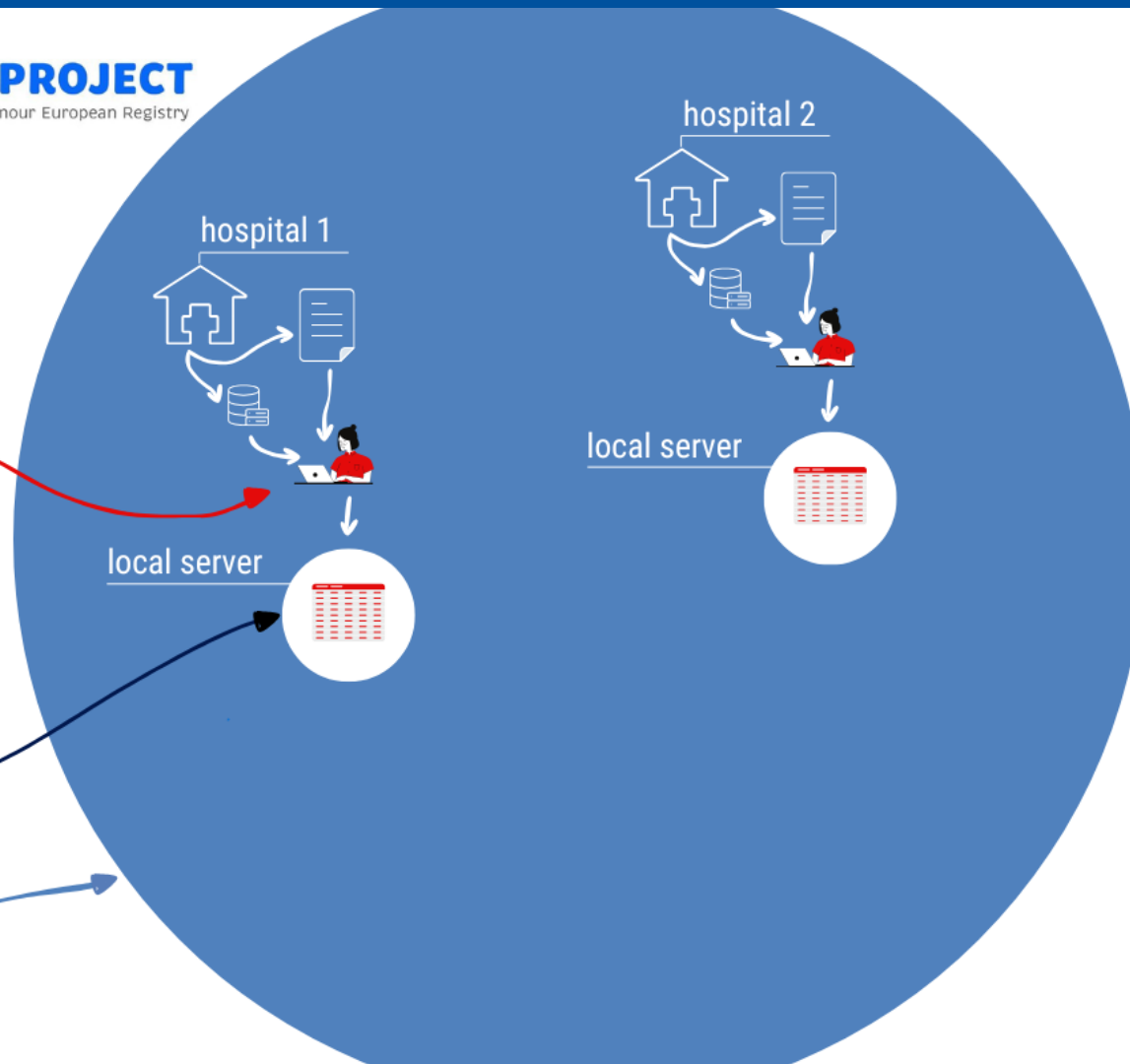


Starter



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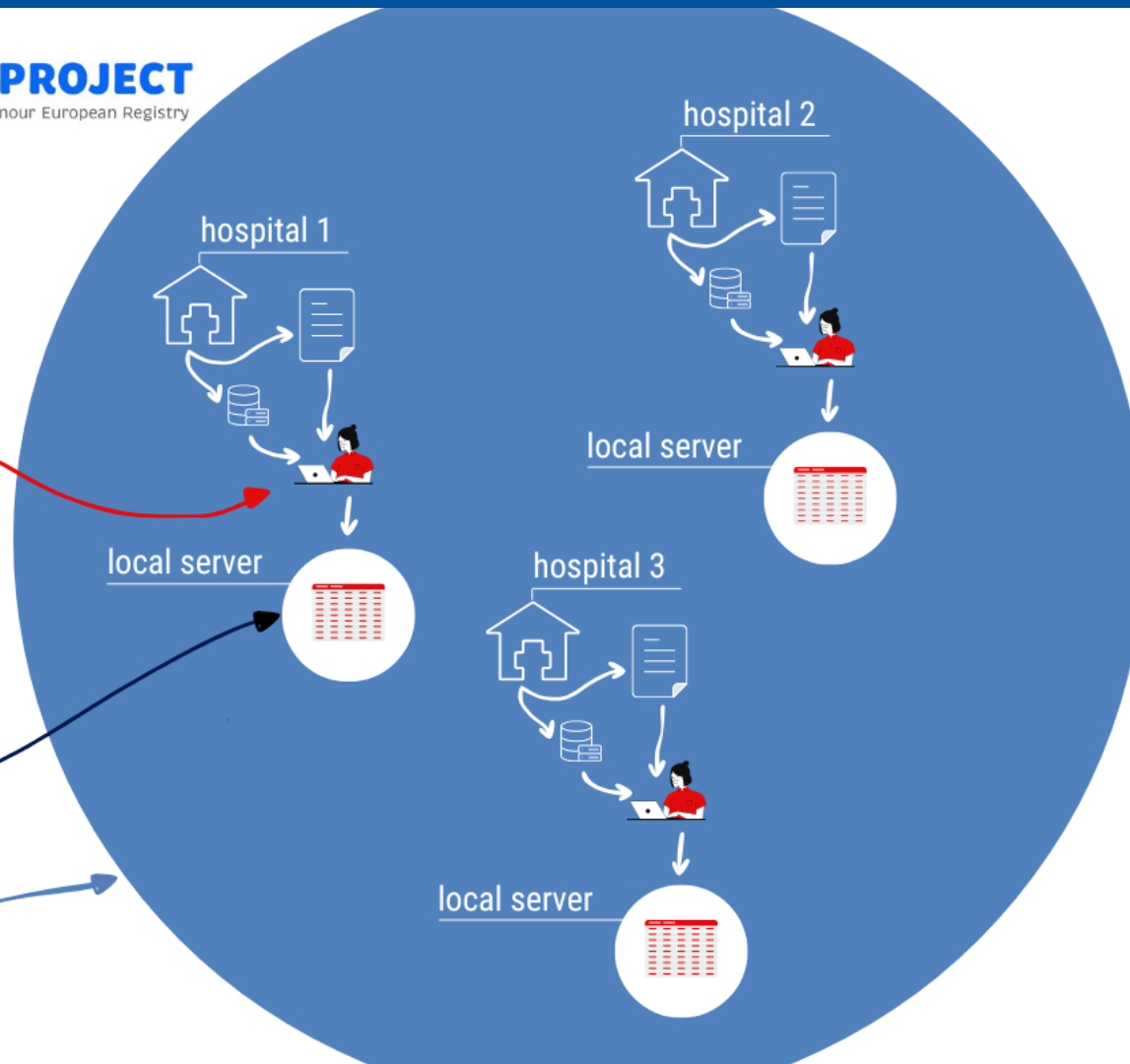


Starter



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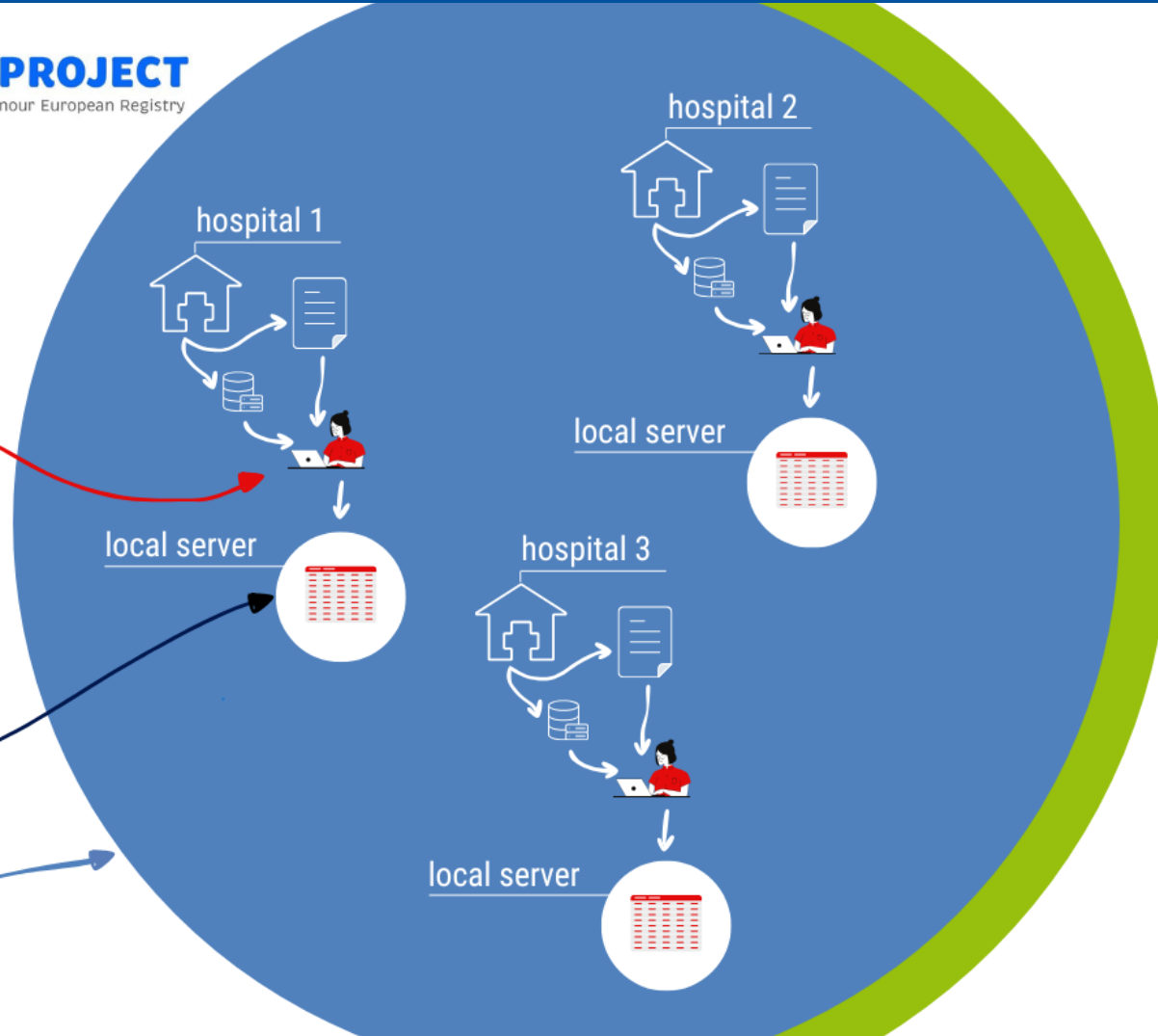


Starter: federated learning



manual
input of
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using
REDCap

head and
neck
cancers
data



federated
learning
layer

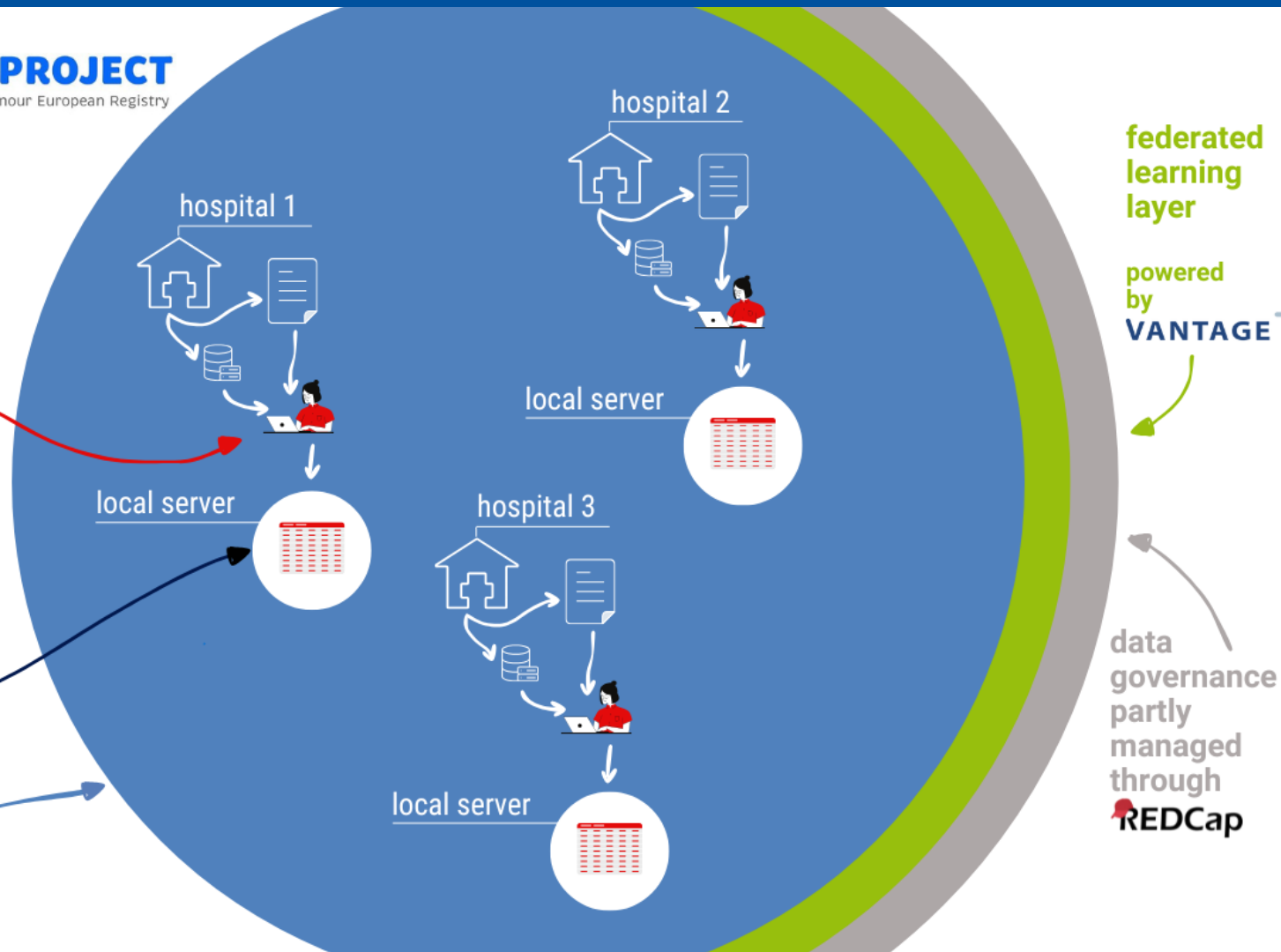
powered
by
VANTAGE

Starter: data governance



manual
input of
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REDCap

head and
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cancers
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existing
sarcoma
database





existing
sarcoma
database

personalized
harmonization
software
according to
the OMOP
common data
model



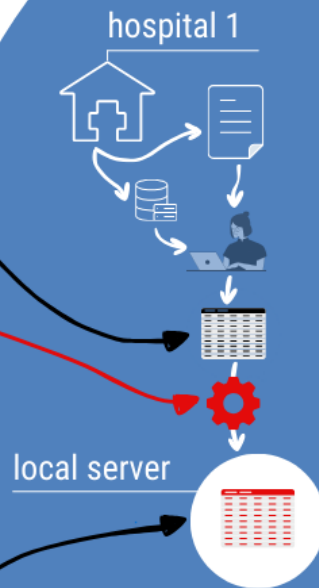


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harmonized
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BlueBerry

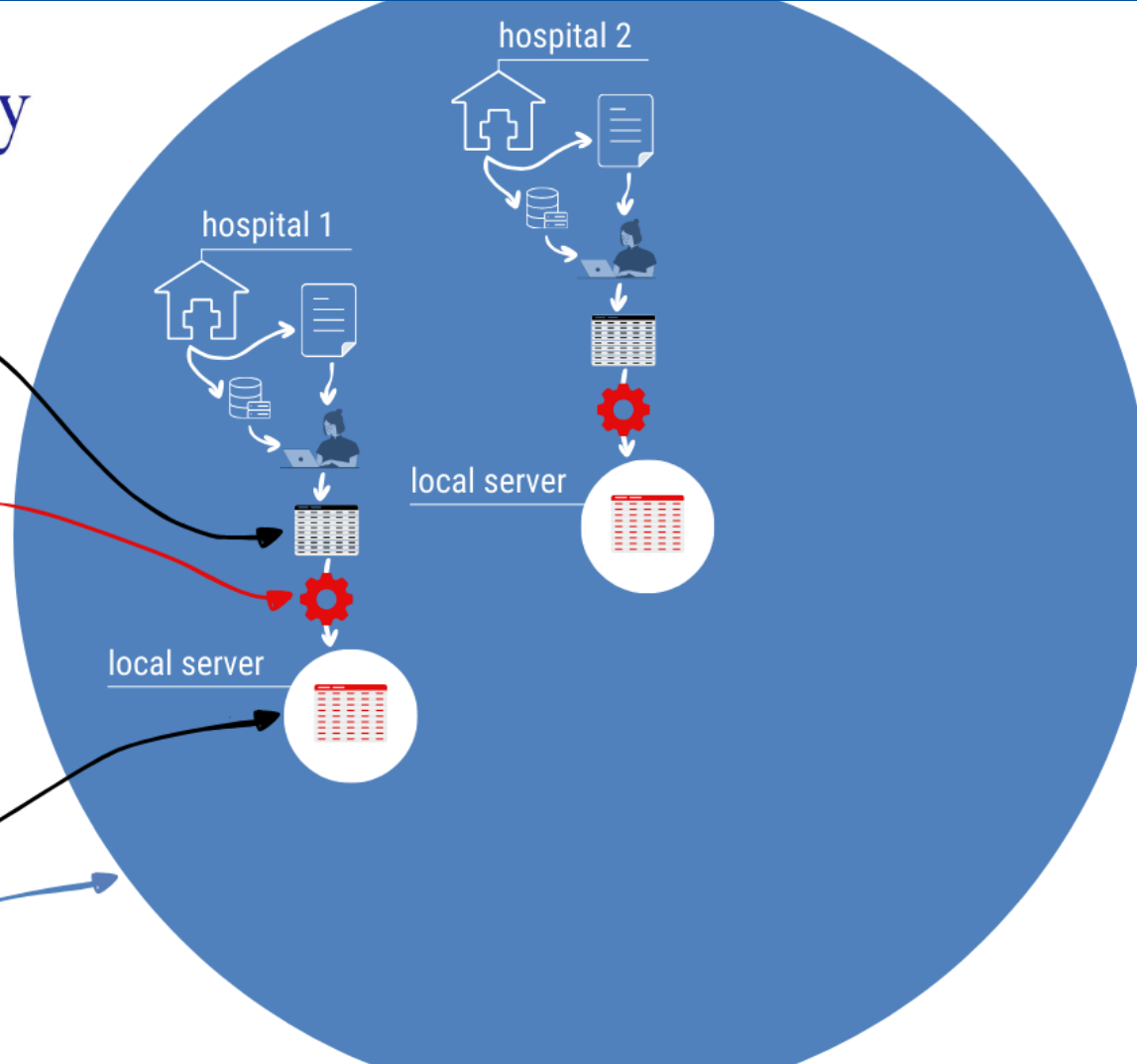


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BlueBerry

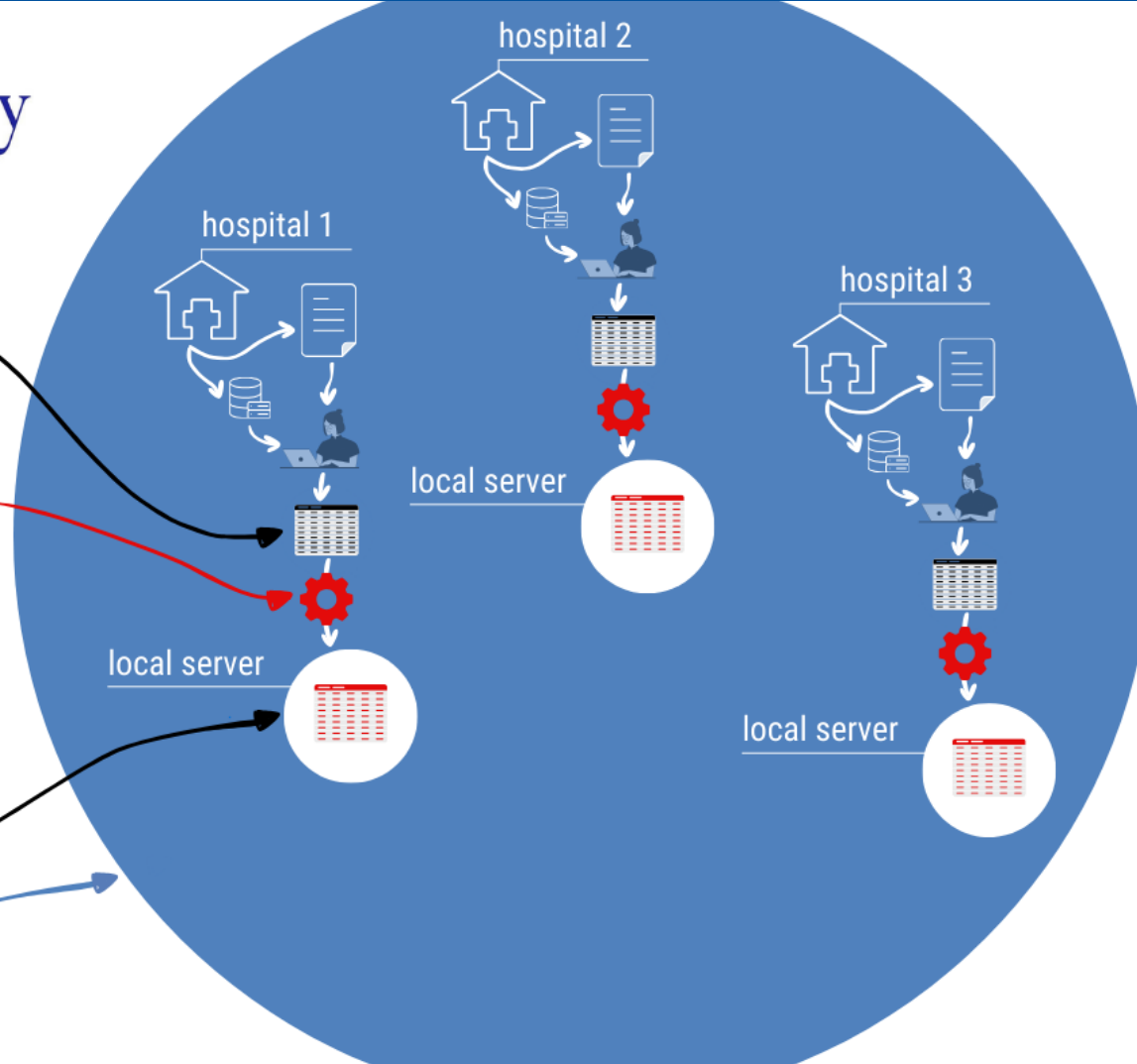


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BlueBerry: federated learning

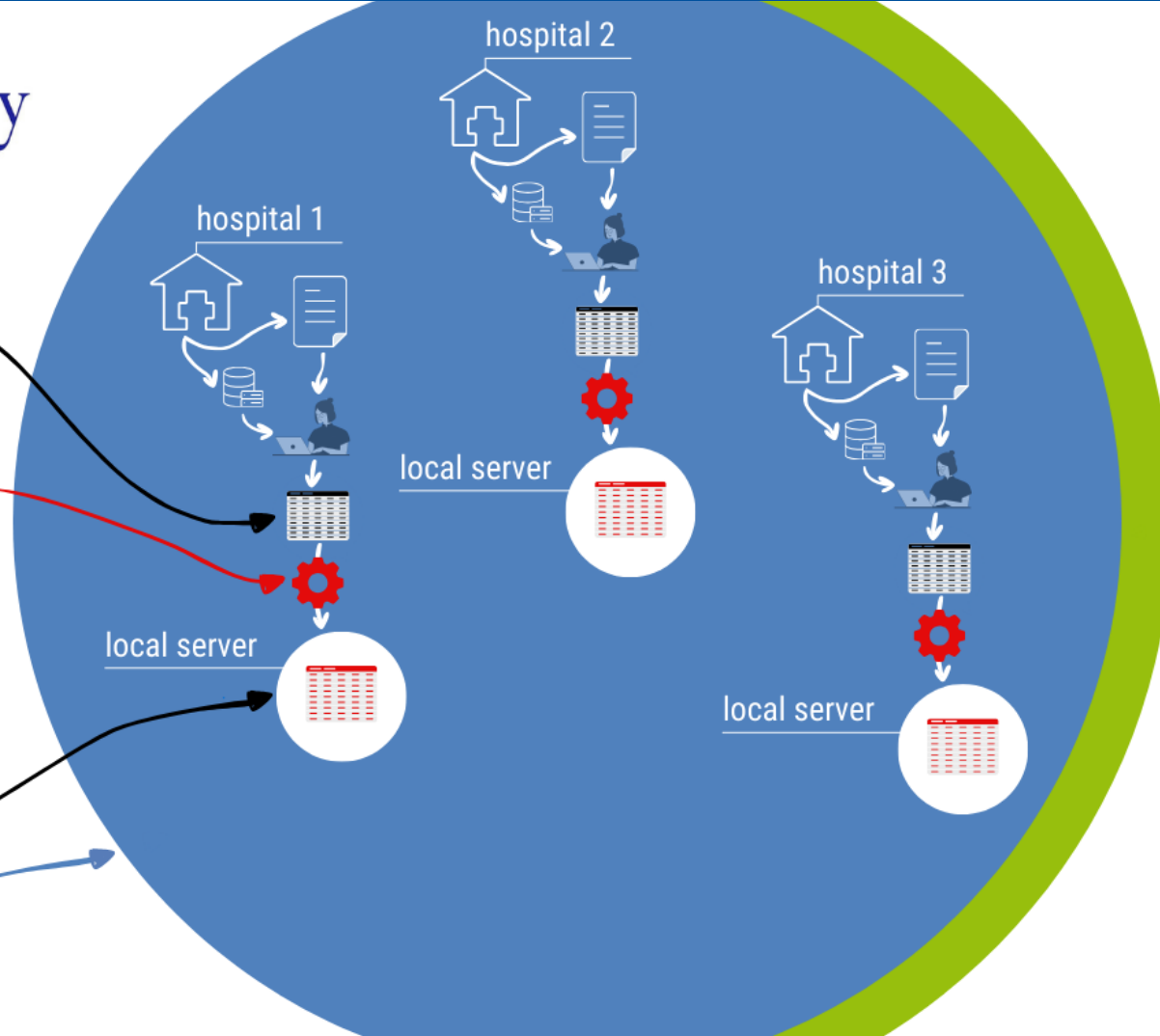


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**federated
learning
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BlueBerry: data governance

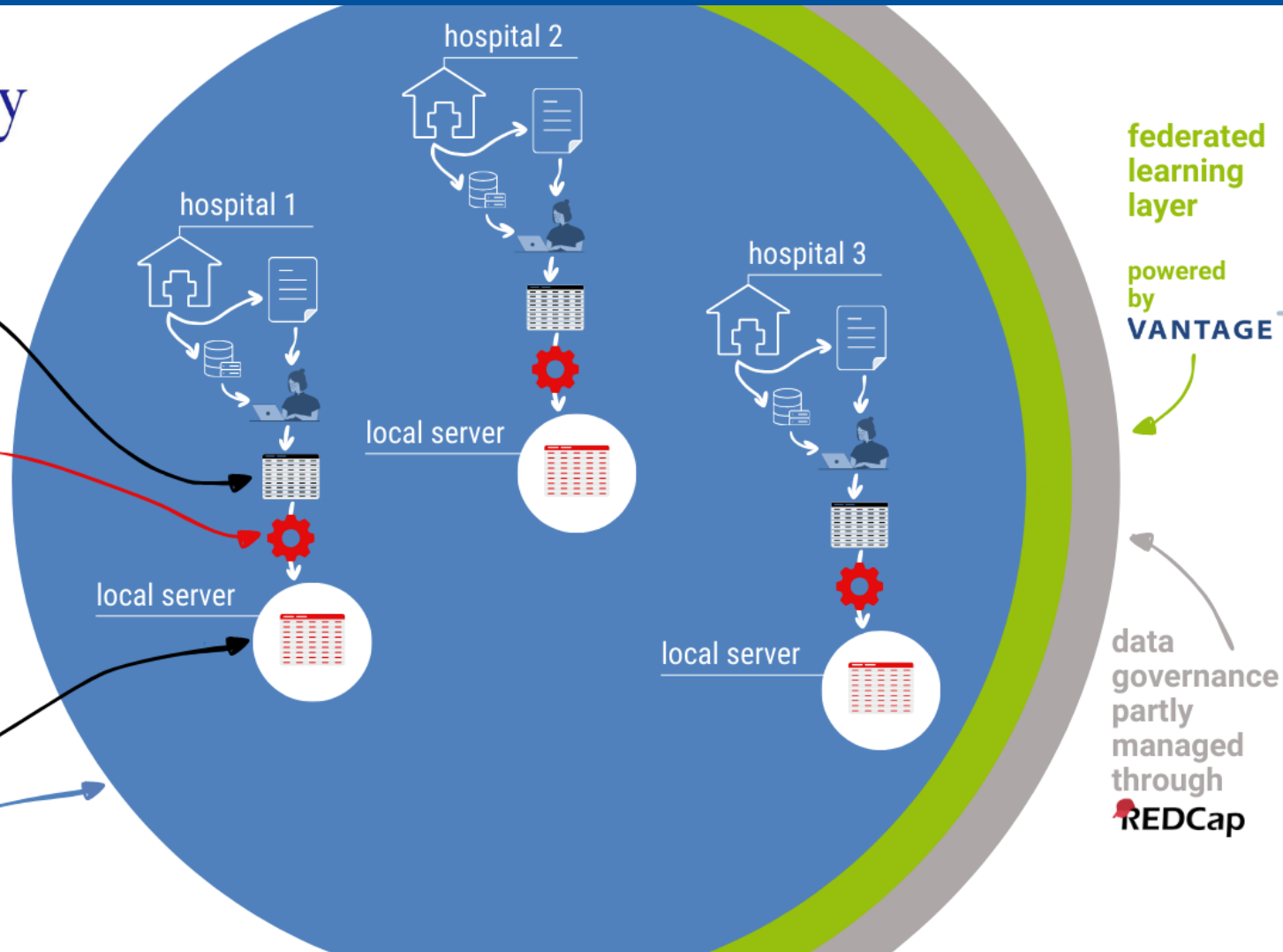


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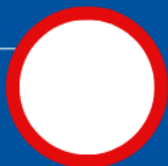






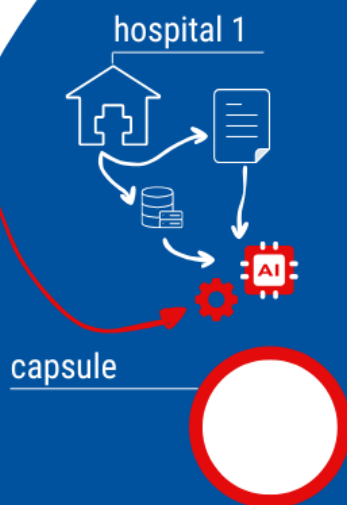


capsule
secure
processing
environment





gear harmonization
software
+
AI NLP to process
texts
according to the
IDEA4RC
data model

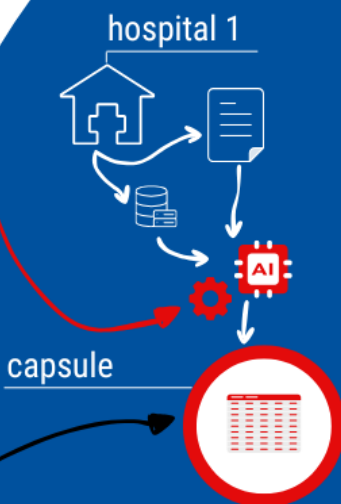




⚙️ **harmonization
software**
+
📄 **NLP to process
texts**
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**head and neck
cancers**
+
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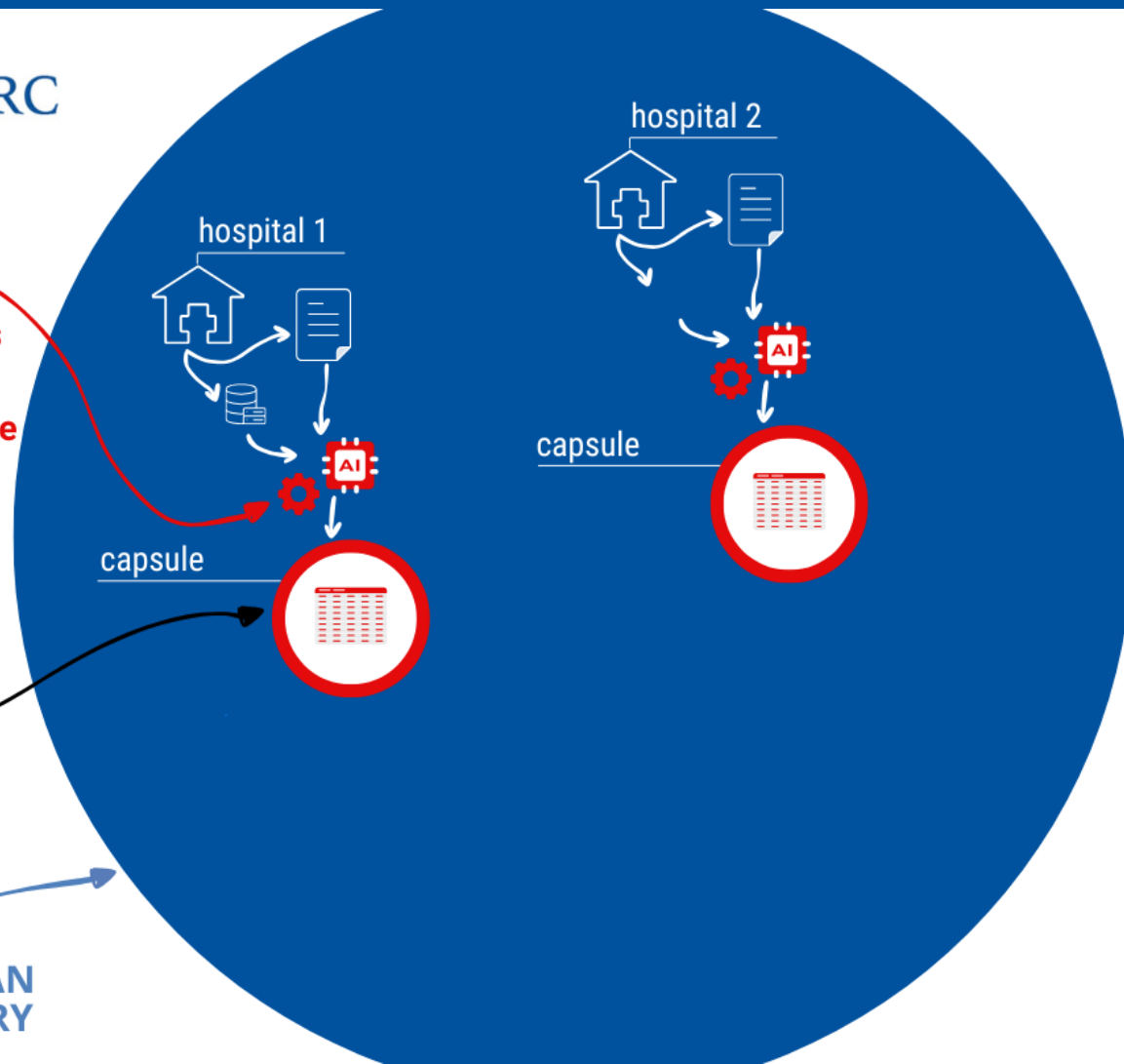




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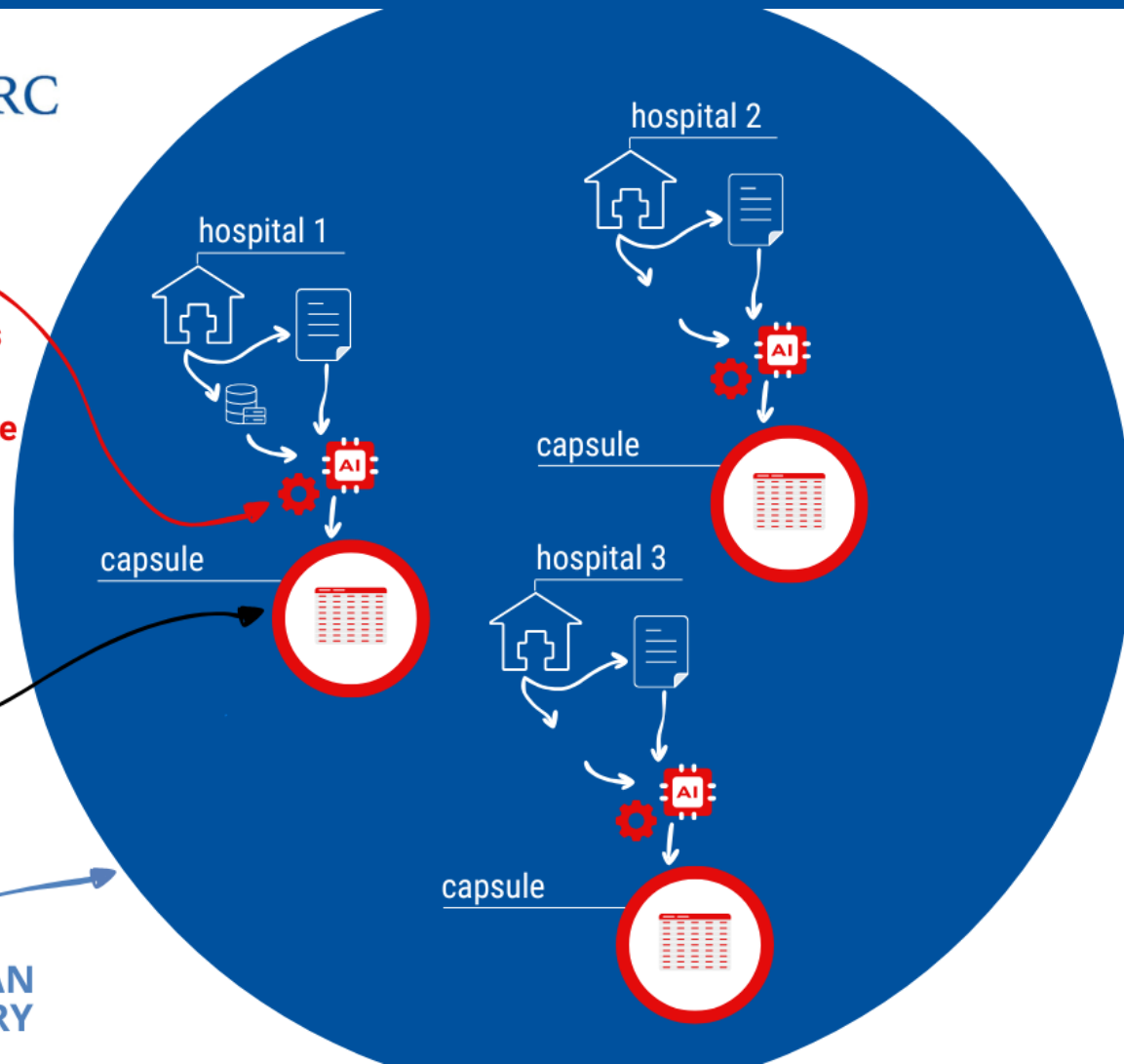




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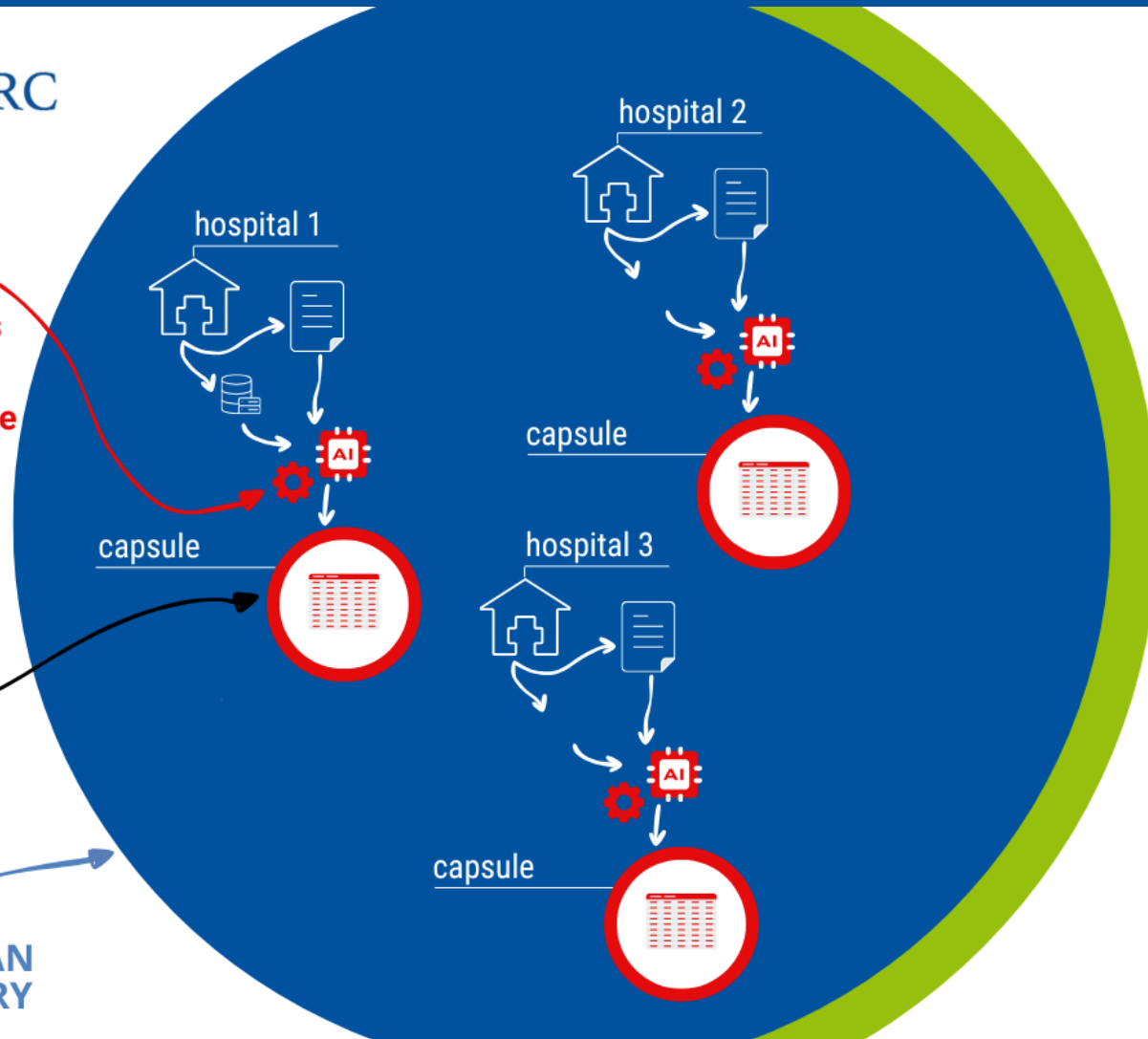
IDEA4RC: federated learning



⚙️ **harmonization software**
+
📄 **NLP to process texts**
according to the
IDEA4RC data model



head and neck cancers
+
sarcoma database



federated learning layer
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IDEA4RC: data governance

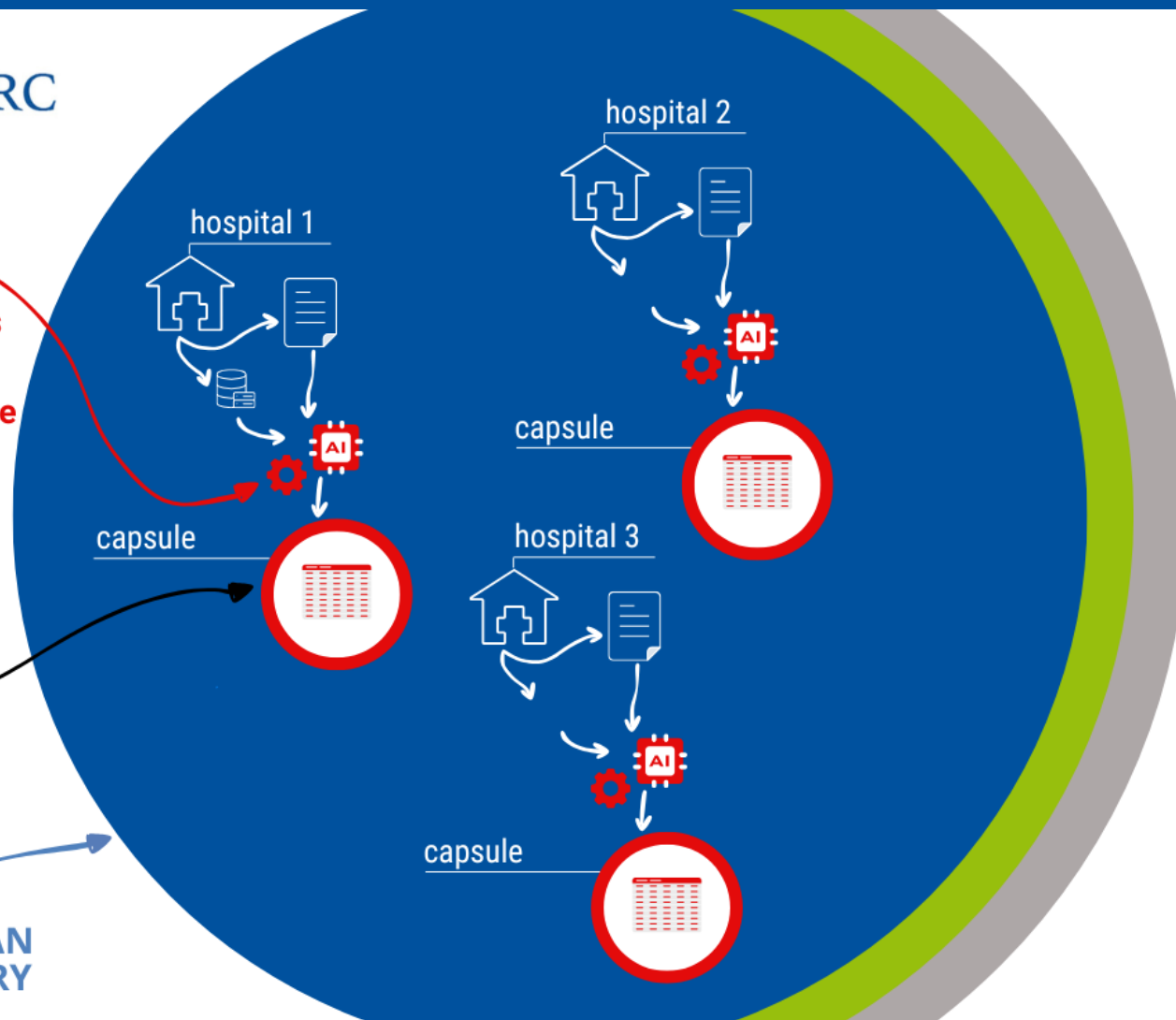


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**according to the
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**data
governance
layer
managing
identity and
legal
agreements**

IDEA4RC: discover the data

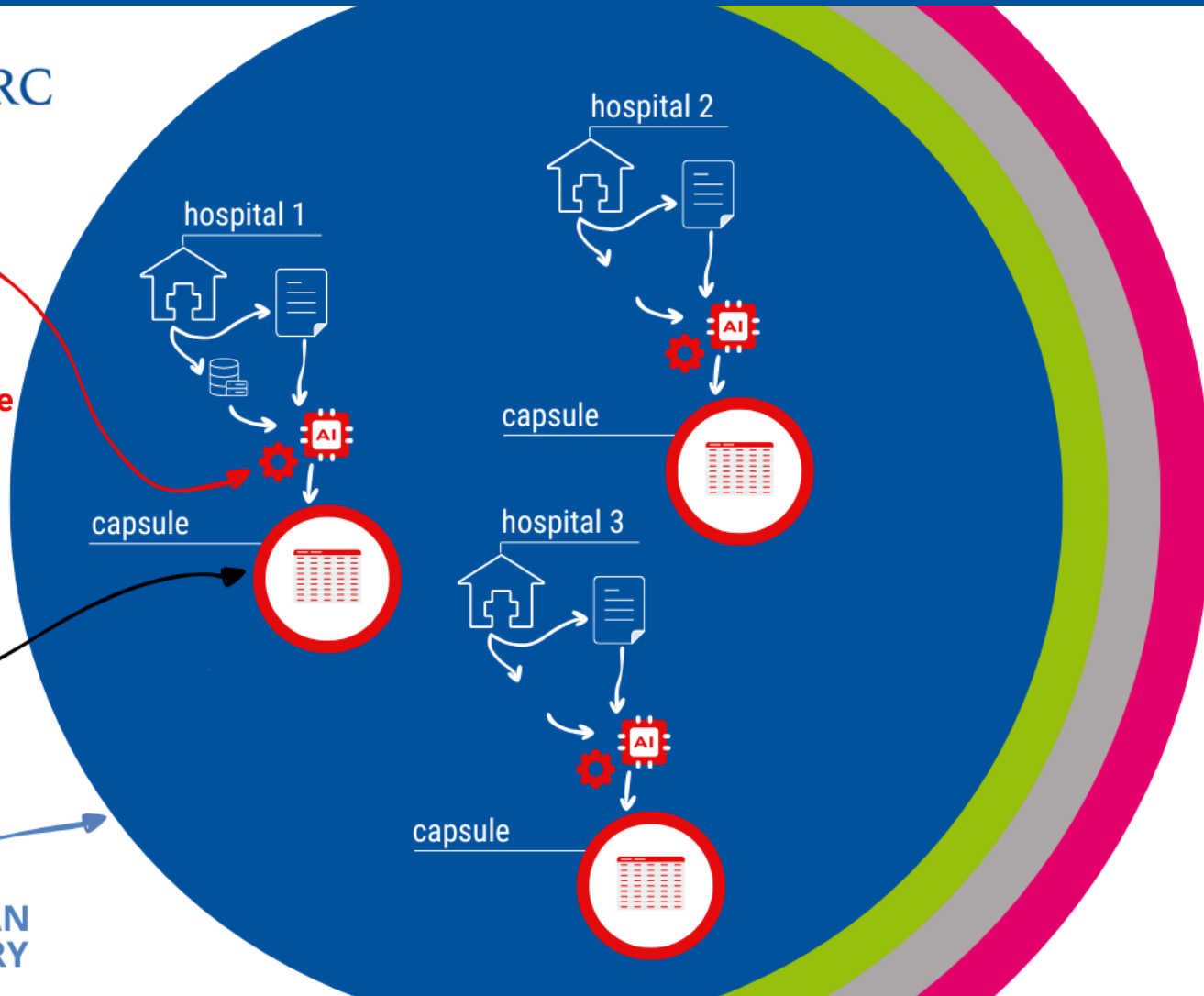


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metadata layer

data governance layer
managing
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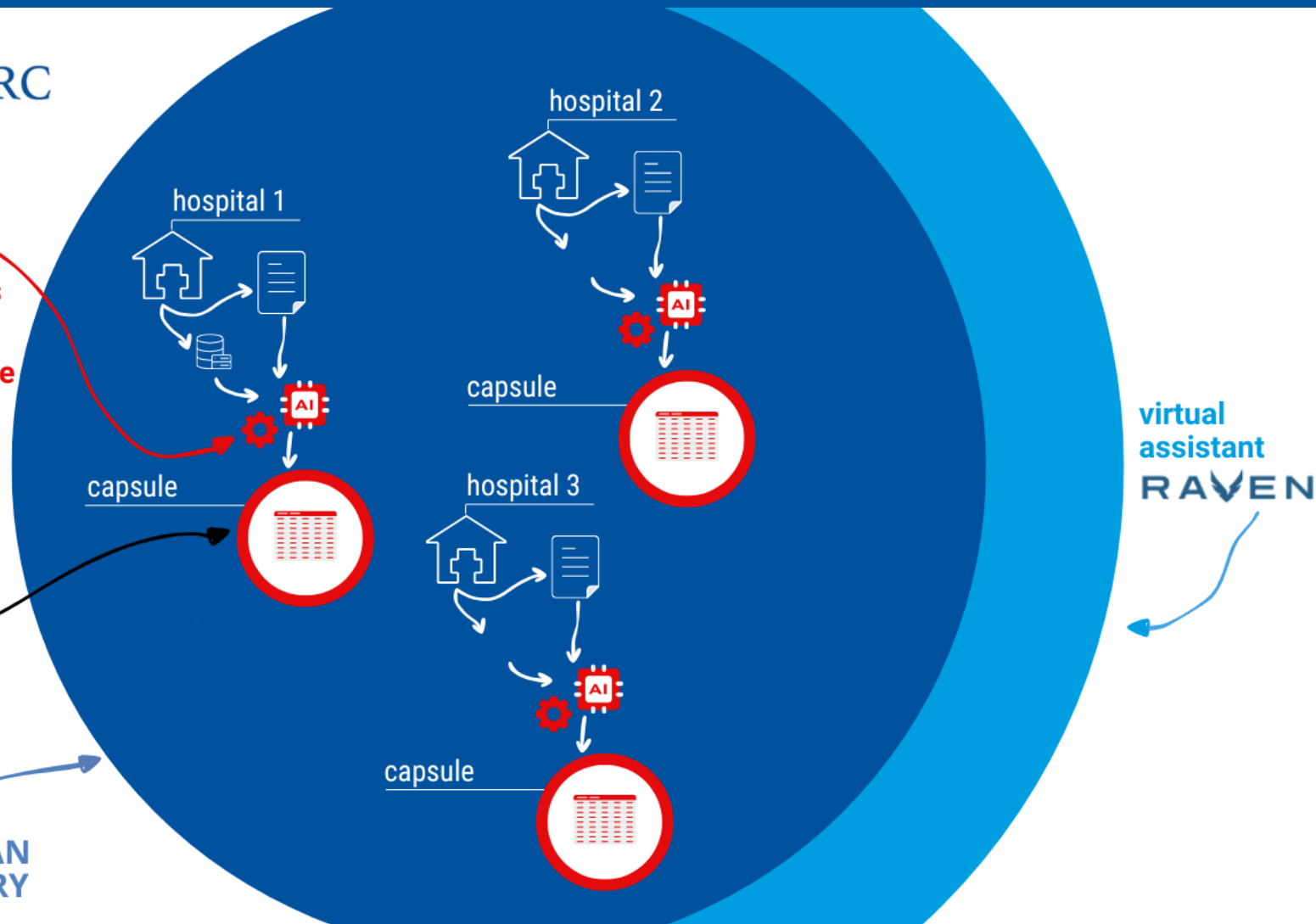
IDEA4RC: user interface



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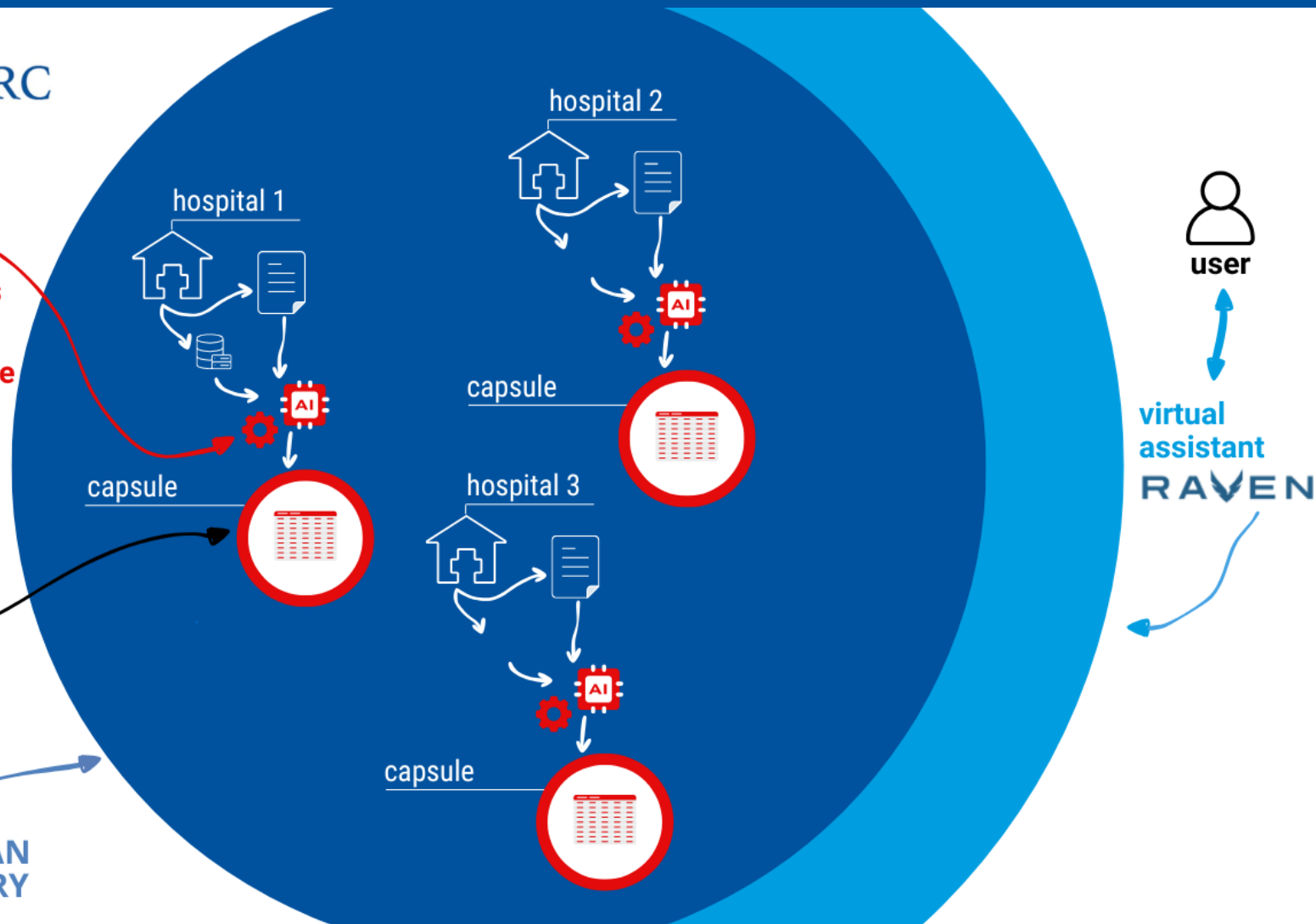
IDEA4RC: user interface



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Thank you!

Together we will **shape IDEA4RC**
rare cancer data ecosystem.



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This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement 101057048