



Collecting & presenting KPIs

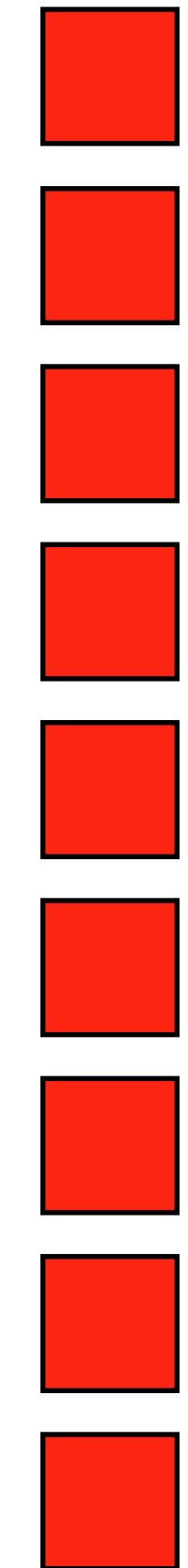
e-Infrastructure assessment strategy

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2017-06-08, Malta

v1.1



How are you doing?

✓ I am doing well

✓ Very well

Or

✓ Look, here are my Key Performance Indicators

Outline

1. Intro e-IRGSP5 & activities

2. What do we want to achieve?

- a. Aggregation and presentation of e-Infrastructure projects' KPIs
- b. Depends on projects providing automatic access to KPIs
- c. Concentrate on Policy and Financial. Results to be used by e-IRG (and others)

3. Process

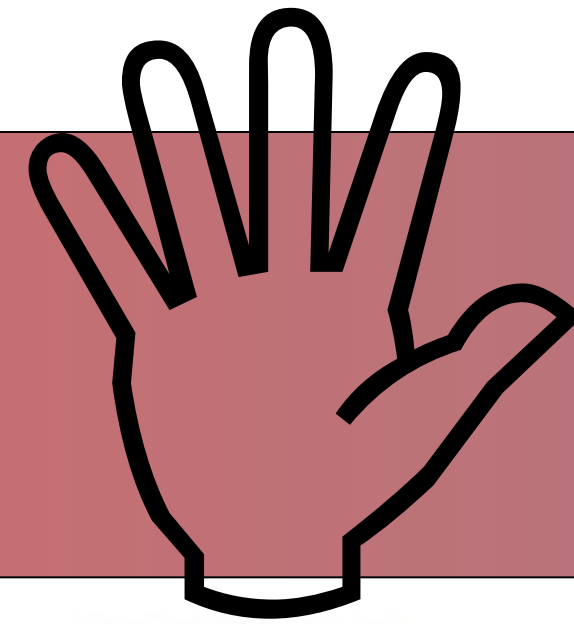
- a. Set up ontology (classification, taxonomy, controlled vocabulary) together with e-InfraCentral
- b. Based on sample of projects. Based on Knowledge Base technology
- c. Discuss with e-IRG & projects. Result: recommendation to projects
- d. Implement automatic system and easy to use interface

e-IRGSP5

- ✓ Support programme for the e-IRG
- ✓ Co-organises the e-IRG workshops
- ✓ Assists with e-IRG policy documents
- ✓ Communication for the e-IRG
- ✓ Secretariat
- ✓ Collect, Aggregate and present KPIs

Support programme e-IRG

e-IRG
e-Infrastructure
Reflection Group



e-IRG SP5

Workshop organisation



Workshop organisation



Policy support



Policy support



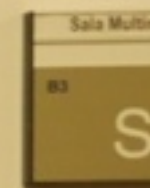
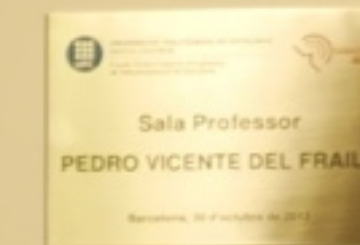
Communication



Communication



KPIs

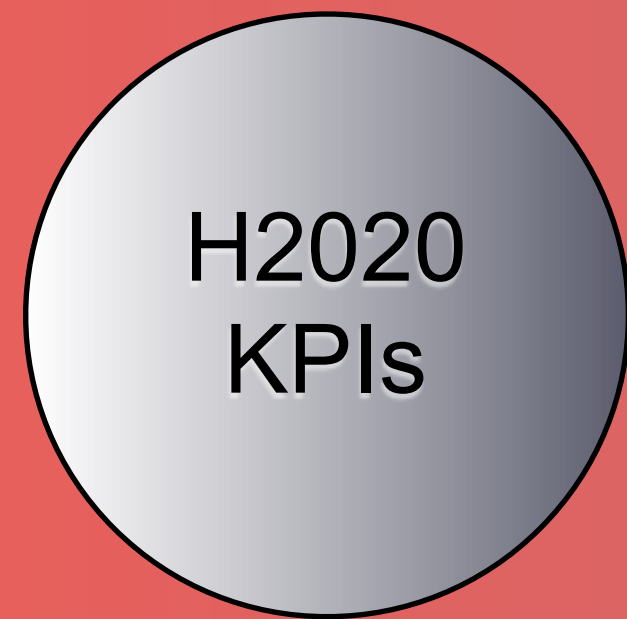


KPIs

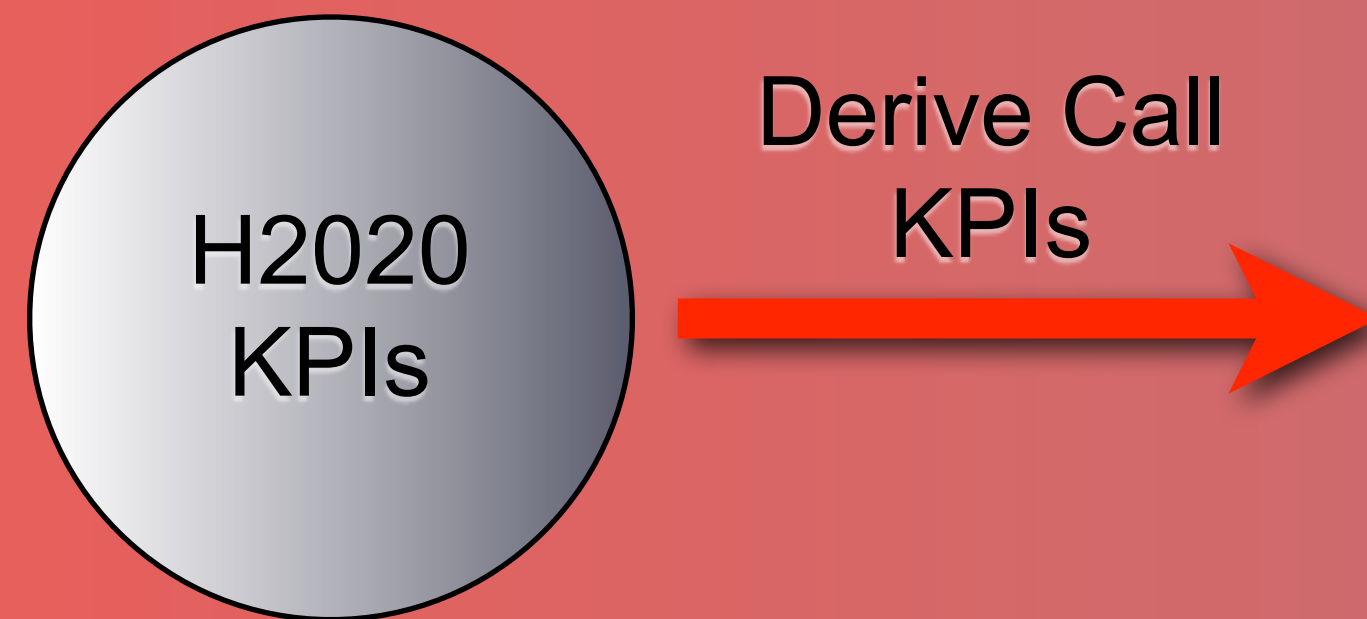


KPIs & relations to model

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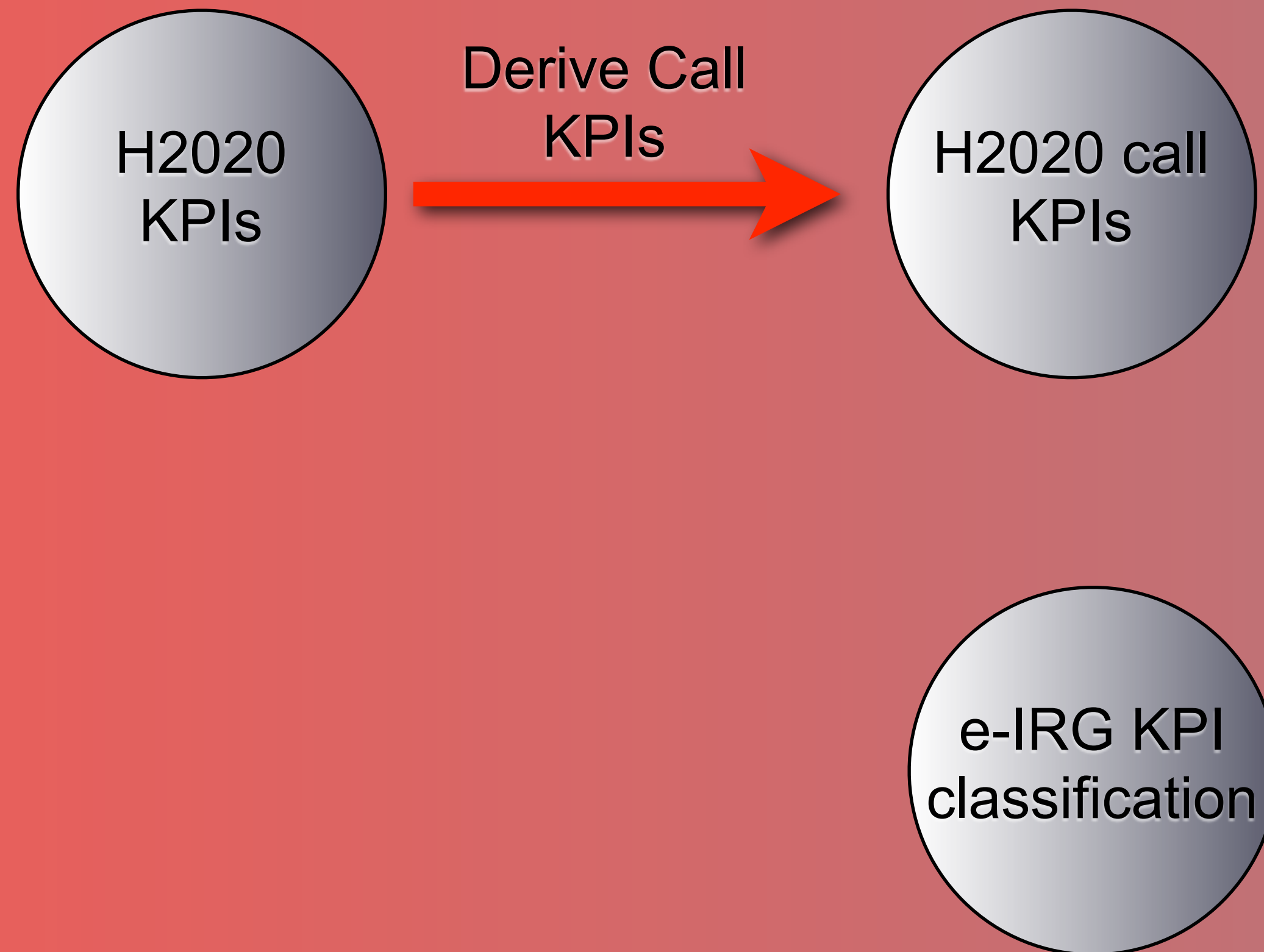
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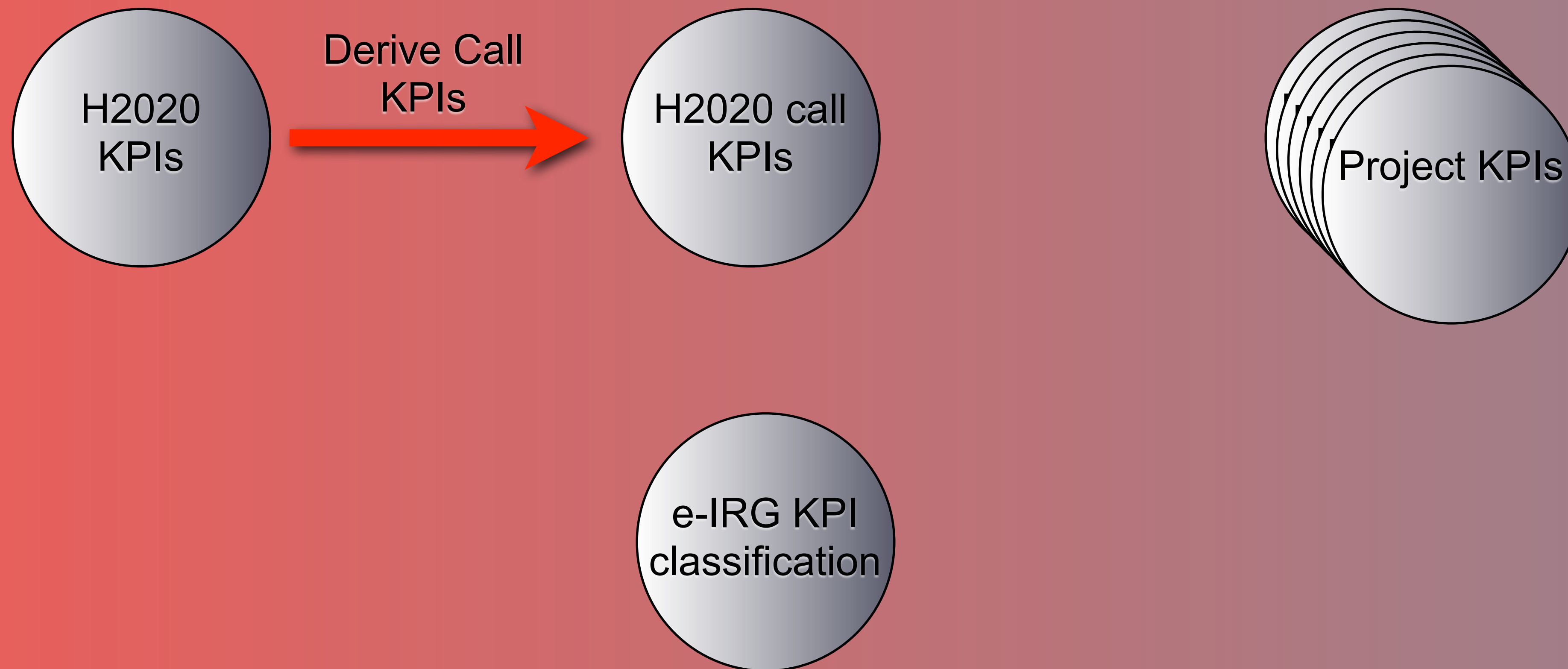
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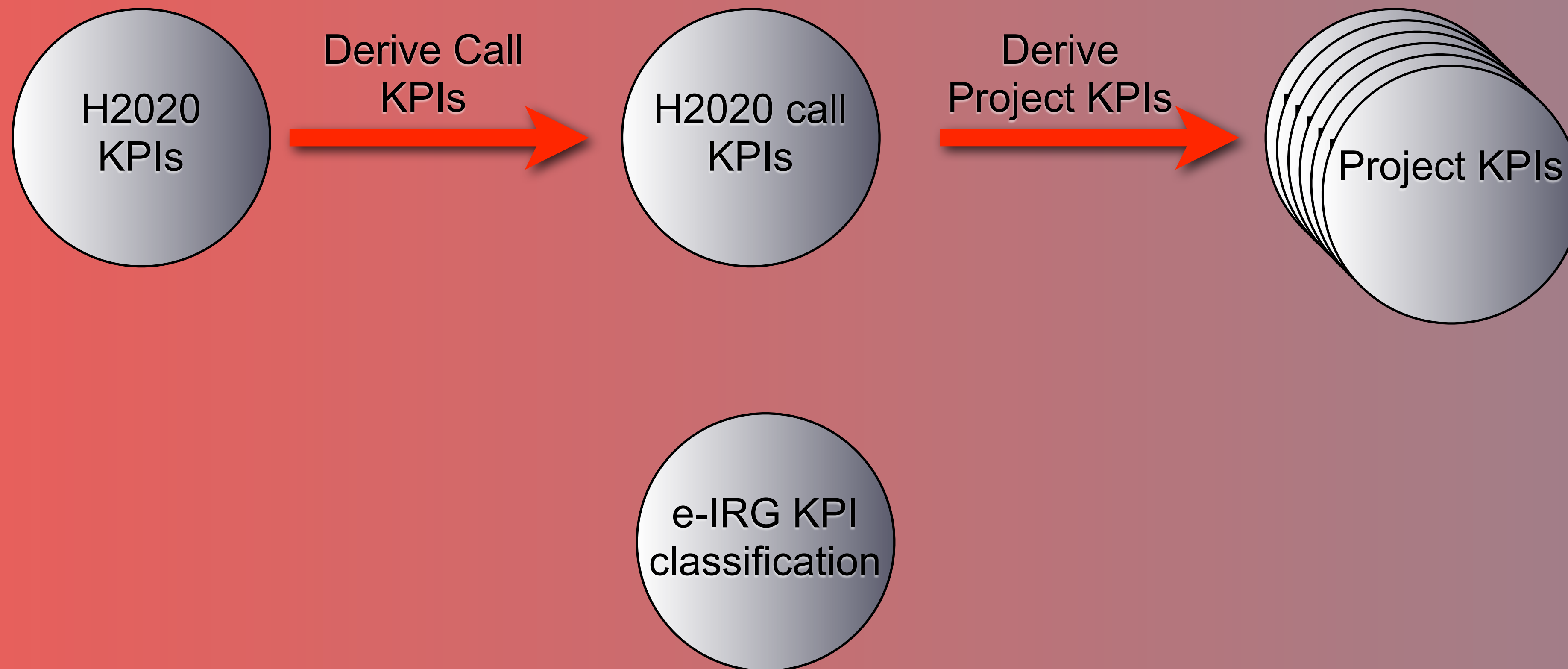
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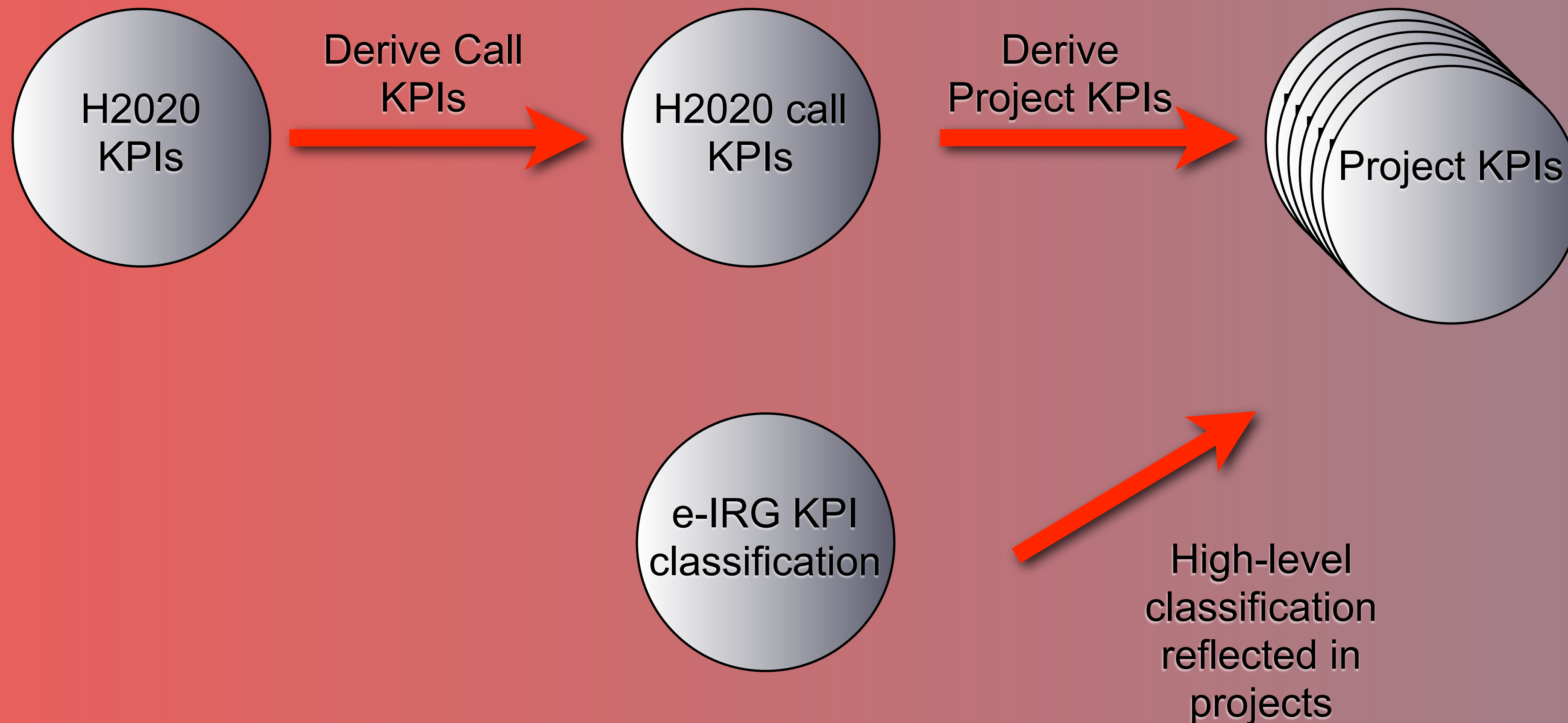
KPIs & relations to model



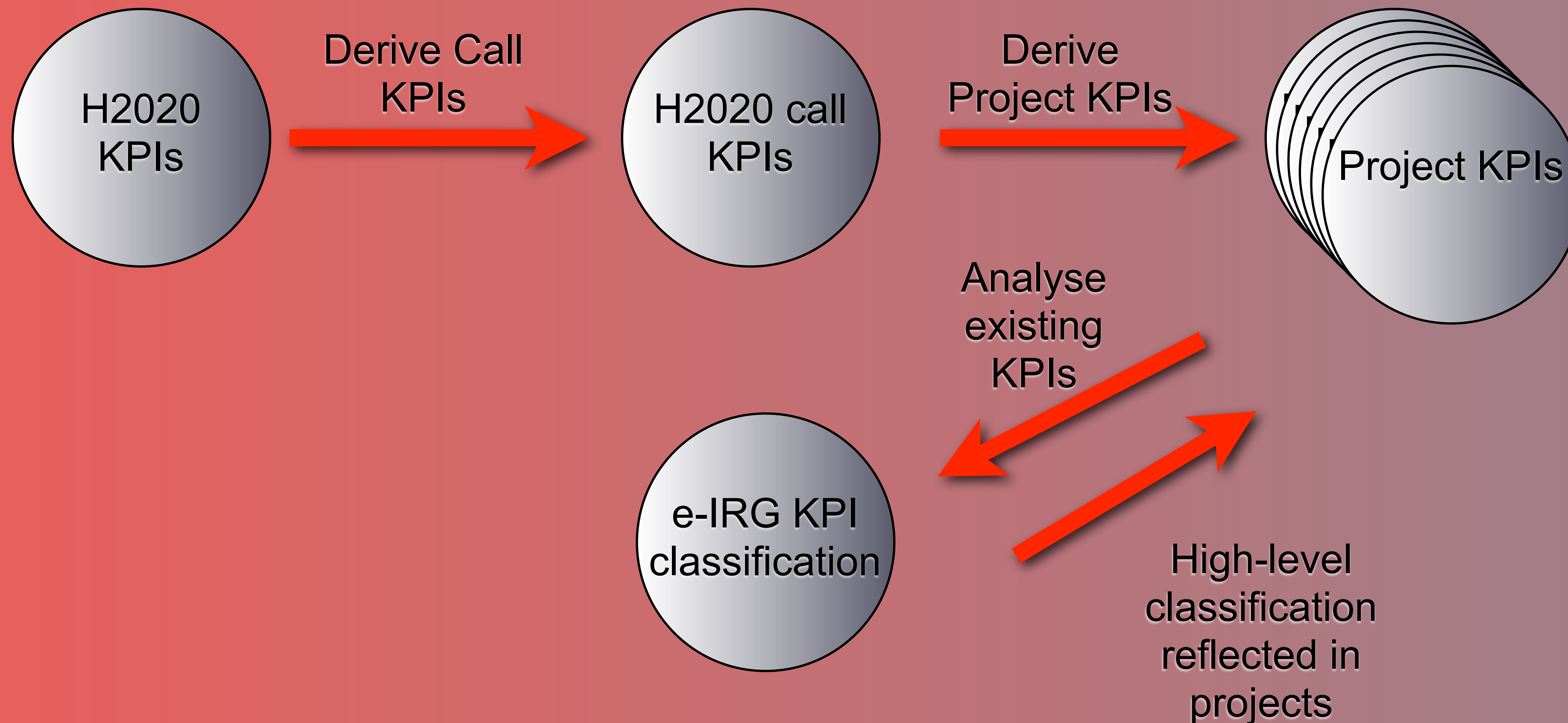
KPIs & relations to model



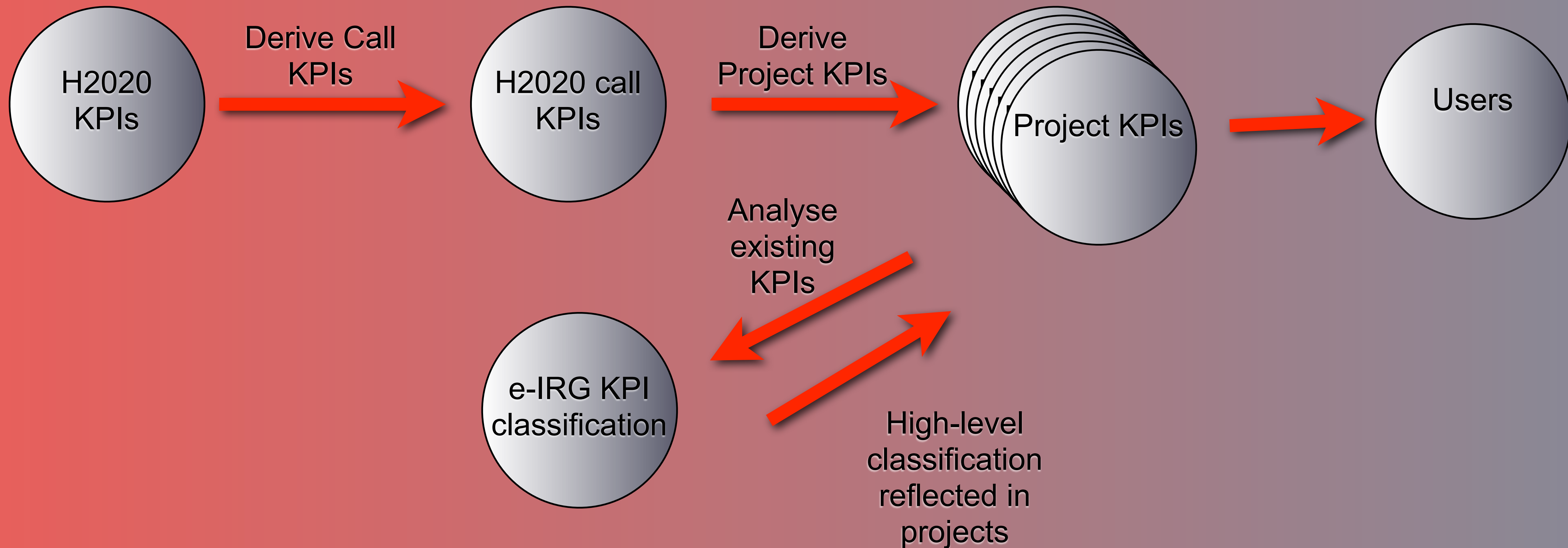
KPIs & relations to model



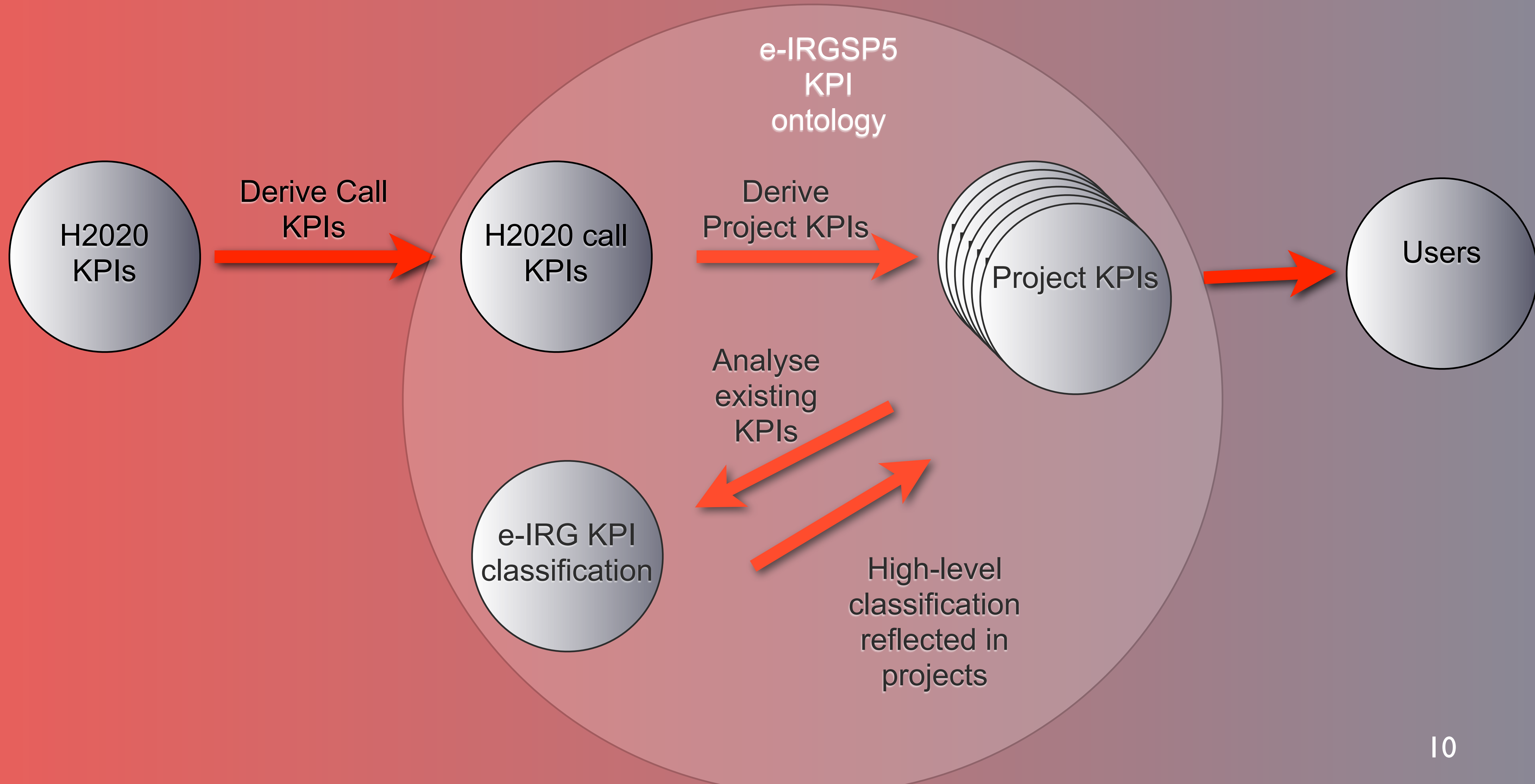
KPIs & relations to model



KPIs & relations to model



KPIs & relations to model



Overall process

Create initial KPI Ontology from
representative set of project KPIs

Initial Ontology

Initial Tool implementation

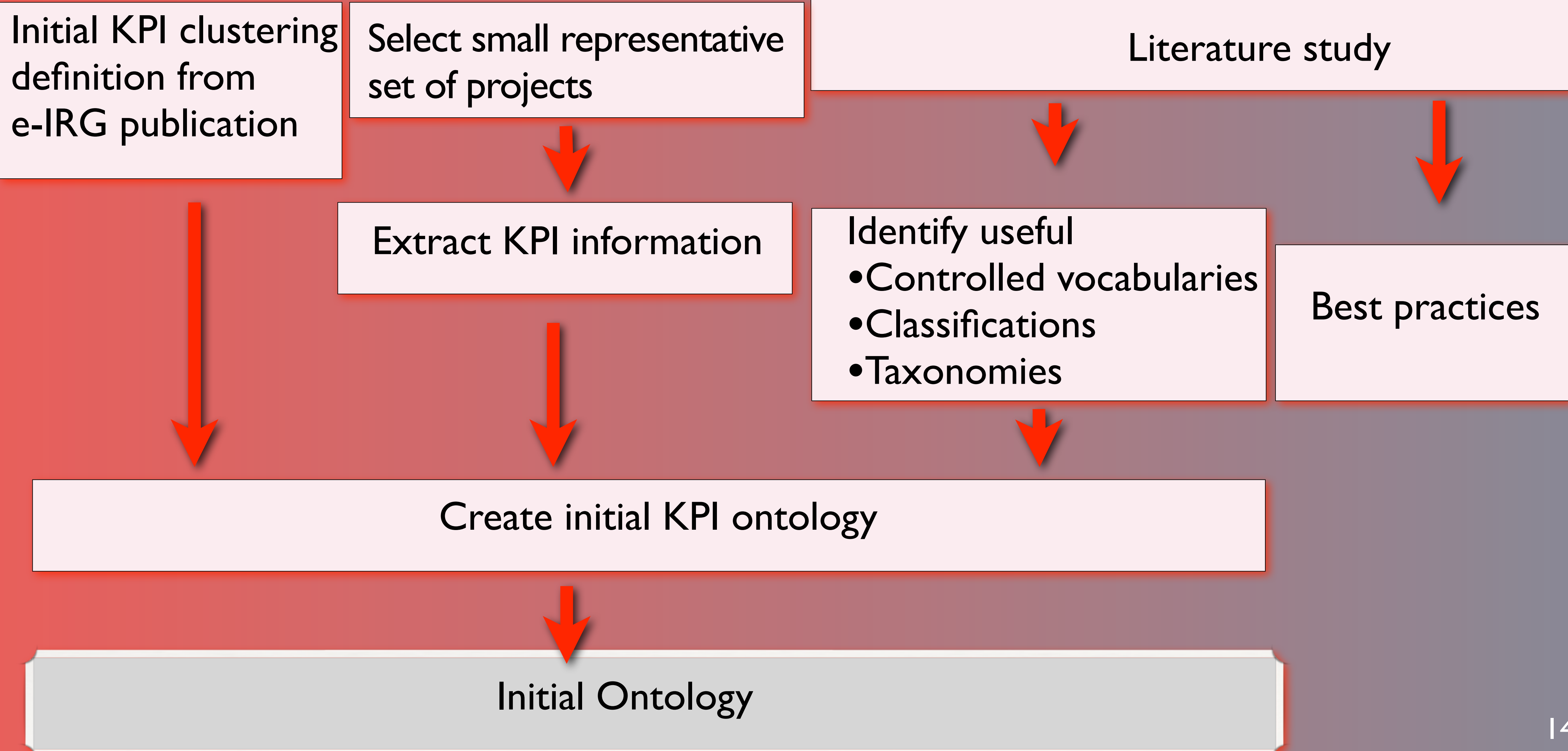
Present to e-IRG

Recommendations to
projects

Automatic final tool using project data from all projects

Final Ontology

Creation process

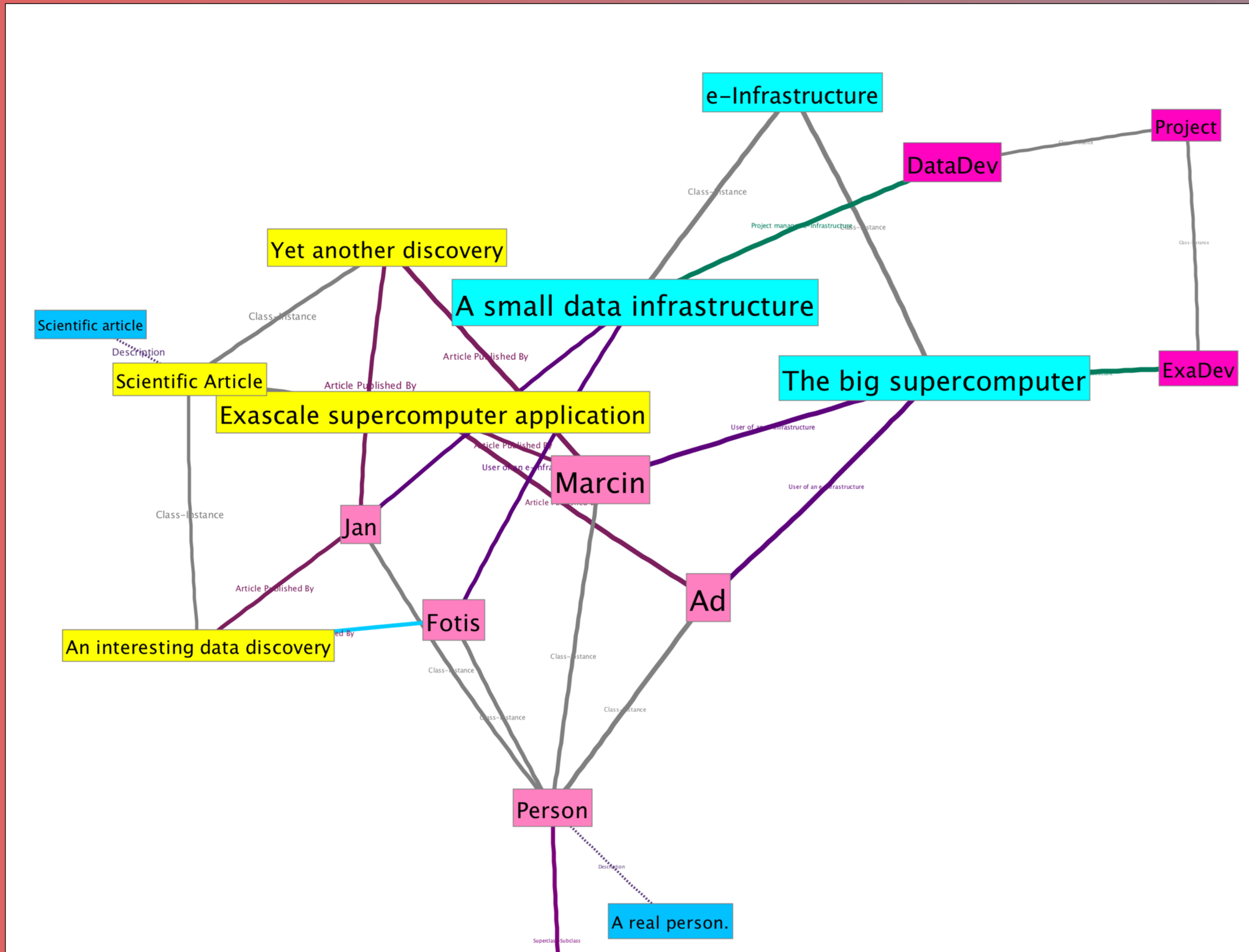


How we store KPIs

- ✓ Using a graph database
- ✓ Easy to model relations
- ✓ Easy to extend
- ✓ Language of our choice: Topic Maps
- ✓ Easy to convert to other formats

Example of a graph

- ✓ Assuming # of scientific articles is a KPI
- ✓ Link article $\leftrightarrow$ Person
- ✓ Link Person as user $\leftrightarrow$ e-Infrastructure
- ✓ Link e-Infrastructure $\leftrightarrow$ project
- ✓ 4 users, 3 articles, 2 e-infrastructures,
2 projects



Associations for one person

Jan

Subject	Names	Occurrences	Classes	Instances	Associations
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Article Published By

Person	Scientific Article
Jan	An interesting data discovery
Jan	Yet another discovery

User of an e-Infrastructure

e-Infrastructure	User
A small data infrastructure	Jan

Timeline

✓ November 2017 -

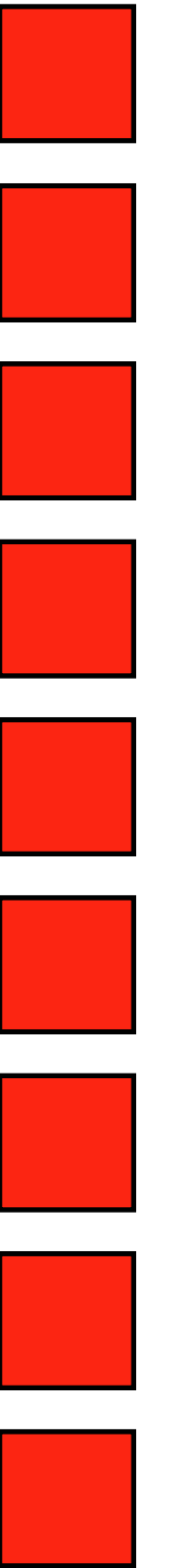
D4.1 First report on the retrieval and provision of cost related policy information

✓ November 2018 -

D4.2 Report on the retrieval, provision and analysis of cost related policy information

Time for questions

<http://e-irgsp5.e-irg.eu>



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 730954.

