

Cooking Recipe Benchmark Initiative for Recommendation Evaluation

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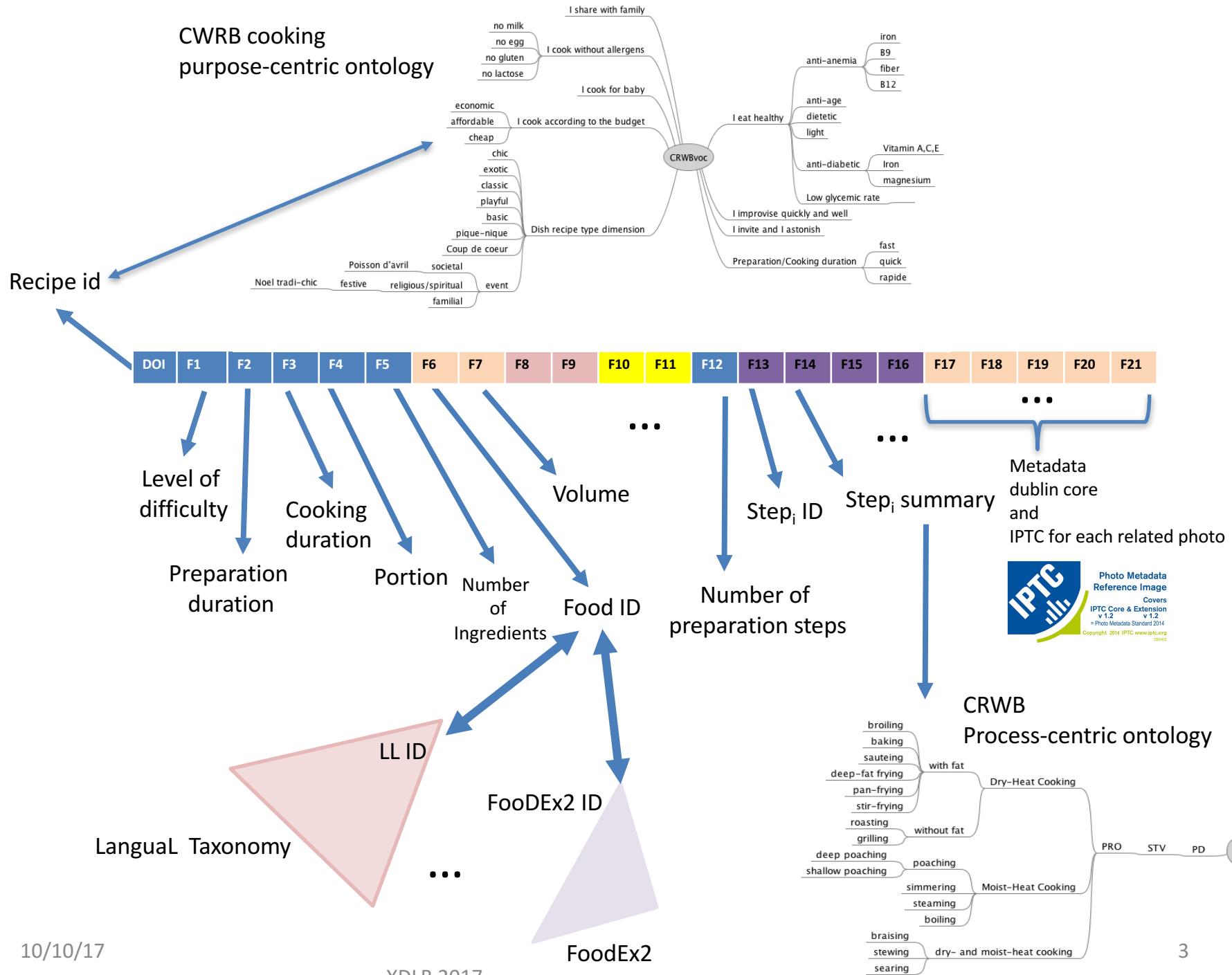
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Goals

- Evaluation of recommendation services and algorithms to help users in their decision making regarding cooking recipes, ingredients and health related constraints.
- Dish and Ingredient recognition and process-centric benchmark
- MyPoC Service for collective intelligence-based pattern recognition
- CRWB (cooking recipes without border) Community

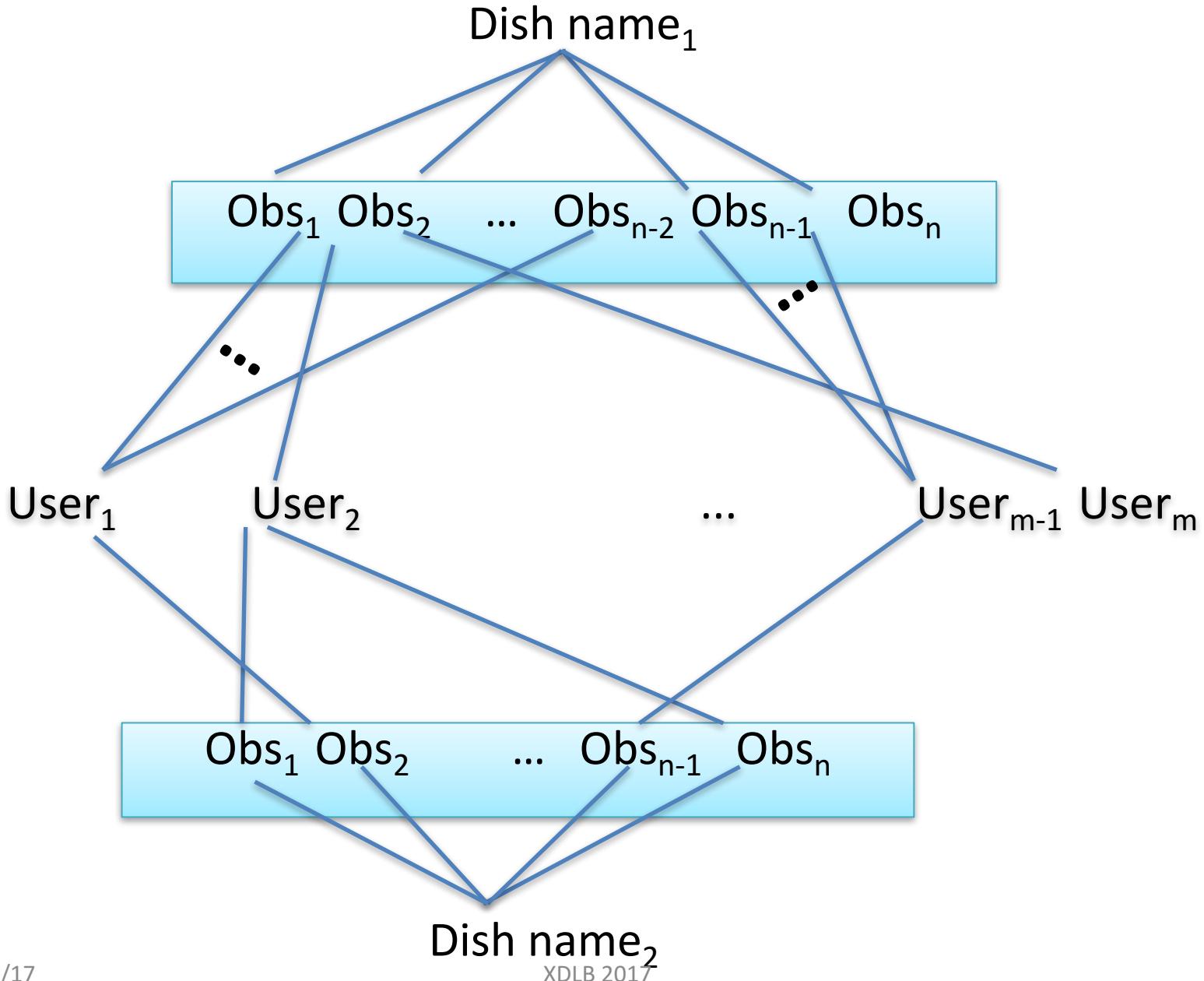
CWRB cooking purpose-centric ontology



Benchmark Scale

		Number of Recipe Records				
		3740 recipes	37400 recipes	374000 recipes	3740000 recipes	37400000 recipes
Dish type classification	Starter dishes	531	5310	53100	531000	5310000
	Meat-based dishes	956	9560	95600	956000	9560000
	Fish-based dishes	529	5290	52900	529000	5290000
	Vegetable-based dishes	205	2050	20500	205000	2050000
	Dessert dishes	895	8950	89500	895000	8950000
	Mixed dishes	608	6080	60800	608000	6080000
	Sauces	13	130	1300	13000	130000
	Cheeses	3	30	300	3000	30000

Dish Observation-Users (DOU) Graph



Ingredient- Dish Observation-Users (IDOU) Graph

Set of ingredients I

Dish name₁

user₁

user₂

user_{m-1}

user_m

Common

Rare

i_1

i_2

i_m

i_{p-1} i_p

O Set of Dish Observations

Obs_1

Obs_2

Obs_3

\dots

Obs_{40}

\dots

Obs_{n-1}

Obs_n

\dots

\dots

Coming promotion of the benchmark

- DECOR 2018 workshop (Data Engineering meets Intelligent Food and COoking Recipe 2018) – ICDE 2018 Paris April 16 2018
- IR evaluation within *NTCIR-14* (NII Test Collection for *IR* Systems) 2018-2019

Thank You !

Contact

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[https://github.com/fredericandres/CRWB-
Research-Group/wiki/](https://github.com/fredericandres/CRWB-Research-Group/wiki/)

