Experimental results (EN1)
- BASE-01: queries (all terms)
- BASE-02: queries (searching for new terms)
- CORC-01: queries and answer examples (recipe title)
- CORC-02: queries and answer examples (recipe title, top ingredient lines)
- CORC-03: queries and answer examples (recipe title, all ingredient lines)
- CORC-04: queries and answer examples (recipe title, top ingredient lines)
- CORC-05: queries and answer examples (recipe title, all ingredient lines)

Experimental results (EN2)
- CORC-01: answer examples (recipe title)
- CORC-02: answer examples (recipe title, three attributes: taste, salad, or dessert)
- CORC-03: answer examples (recipe title, all attributes: taste, salad, dessert, season, cuisine styles, etc.)
- CORC-04: answer examples (recipe title, top ingredient lines)
- CORC-05: answer examples (recipe title, all ingredient lines)

A study of food synonyms
- Question: Food synonyms are the same or different among different search users?
- 769 pairs of synonyms from Japanese subtasks

Synonym pairs:
- No.1 cocoa hot chocolate
golden chocolate
- No.2 capsicum bell pepper
- No.3 nappa cabbage Chinese leaves

Pairs were prepared by Task Organizer.

A study of recipe similarity
- Question: Similar recipes are the same or different among different search users?
- Candidate similar recipes were collected using answer examples for Japanese ad hoc search.
- 236 pairs of potential similar recipes.
- Five student assessors gave relevance labels:
  - T for "similar", or F for "not similar."
  - (NOTE: Similarity assessments were on a subjective basis.)
- Each of the potential similar pairs was judged by two assessors.

A study of recipe similarity (cont.)
- Student-4 and Student-5 had advanced cooking knowledge.
- They completed a survey about all of the assessment data and recognized that their assessments were different from those of the other students.
- Simplicity of cooking recipes can differ from person to person.
- Frequency and preferences of cooking may be important factors that affect recipe simplicity.

A study of recipe similarity (cont.)
- User-1 assesses recipes with Ju-Dirigenda and Task Organizer.
- User-2 assesses recipes with Task Organizer.

Conclusions
- Comparison of the submitted runs.
- Query expansion using synonymous words is effective for the recipe search task.
- Maintaining a synonymous food name list by human assessors is too costly.
- Building a dictionary of synonymous food name is not feasible in an automated way.
- Future work: a side dish suggestion for a given main dish.