This document consists of Query written in CQEL.

1. What are the trending topics across different conferences?

**SELECT**

**?conference ?domain (COUNT(?domain) AS ?count)**

**WHERE**

**{**

**?paper ACE:isAcceptedAt ?conference. ?paper ACE:hasDomain ?domain;**

**}**

**GROUP BY ?domain**

**ORDER By DESC(?count)**

(If OWL reasoning has to be included then additional triple (?paper RDF:type ACE:ConferencePaper) has to be included in the query. This involves Max cardinality / Existential Restriction depending on the selected ACE profile.

2. Which research groups are active in specific fields?

**SELECT**

**?conference ?domain (COUNT(?domain) AS ?count)**

**WHERE**

**{**

**?paper ACE:isAcceptedAt ?conference. ?paper ACE:hasDomain ?domain;**

**}**

**GROUP BY ?domain**

**ORDER By DESC(?count)**

(If OWL reasoning has to be included then additional triple (?paper RDF:type ACE:ConferencePaper) has to be included in the query. This involves Max cardinality / Existential Restriction depending on the selected ACE profile.

3. What are the publication activities of different organizations?

**SELECT**

**?conference ?domain (COUNT(?domain) AS ?count)**

**WHERE**

**{**

**?paper ACE:isAcceptedAt ?conference. ?paper ACE:hasDomain ?domain;**

**}**

**GROUP BY ?domain**

**ORDER By DESC(?count)**

(If OWL reasoning has to be included then additional triple (?paper RDF:type ACE:ConferencePaper) has to be included in the query. This involves Max cardinality / Existential Restriction depending on the selected ACE profile.

4. Which conferences match users' research interests?

**SELECT**

**?conference ?domain (COUNT(?domain) AS ?count)**

**WHERE**

**{**

**?paper ACE:isAcceptedAt ?conference. ?paper ACE:hasDomain ?domain;**

**}**

**GROUP BY ?domain**

**ORDER By DESC(?count)**

(If OWL reasoning has to be included then additional triple (?paper RDF:type ACE:ConferencePaper) has to be included in the query. This involves Max cardinality / Existential Restriction depending on the selected ACE profile.

5. Who are the interdisciplinary authors in a specific field?

**SELECT**

**?conference ?domain (COUNT(?domain) AS ?count)**

**WHERE**

**{**

**?paper ACE:isAcceptedAt ?conference. ?paper ACE:hasDomain ?domain;**

**}**

**GROUP BY ?domain**

**ORDER By DESC(?count)**

(If OWL reasoning has to be included then additional triple (?paper RDF:type ACE:ConferencePaper) has to be included in the query. This involves Max cardinality / Existential Restriction depending on the selected ACE profile.

6. Which sessions are the most popular?

**SELECT**

**?conference ?domain (COUNT(?domain) AS ?count)**

**WHERE**

**{**

**?paper ACE:isAcceptedAt ?conference. ?paper ACE:hasDomain ?domain;**

**}**

**GROUP BY ?domain**

**ORDER By DESC(?count)**

(If OWL reasoning has to be included then additional triple (?paper RDF:type ACE:ConferencePaper) has to be included in the query. This involves Max cardinality / Existential Restriction depending on the selected ACE profile.

7. What is the global research focus in a given field?

**SELECT**

**?conference ?domain (COUNT(?domain) AS ?count)**

**WHERE**

**{**

**?paper ACE:isAcceptedAt ?conference. ?paper ACE:hasDomain ?domain;**

**}**

**GROUP BY ?domain**

**ORDER By DESC(?count)**

(If OWL reasoning has to be included then additional triple (?paper RDF:type ACE:ConferencePaper) has to be included in the query. This involves Max cardinality / Existential Restriction depending on the selected ACE profile.

8. Which organizations are funding researchers in a given field?

**SELECT**

**?conference ?domain (COUNT(?domain) AS ?count)**

**WHERE**

**{**

**?paper ACE:isAcceptedAt ?conference. ?paper ACE:hasDomain ?domain;**

**}**

**GROUP BY ?domain**

**ORDER By DESC(?count)**

(If OWL reasoning has to be included then additional triple (?paper RDF:type ACE:ConferencePaper) has to be included in the query. This involves Max cardinality / Existential Restriction depending on the selected ACE profile.

9. What are the networking opportunities in a given field?

**SELECT**

**?conference ?domain (COUNT(?domain) AS ?count)**

**WHERE**

**{**

**?paper ACE:isAcceptedAt ?conference. ?paper ACE:hasDomain ?domain;**

**}**

**GROUP BY ?domain**

**ORDER By DESC(?count)**

(If OWL reasoning has to be included then additional triple (?paper RDF:type ACE:ConferencePaper) has to be included in the query. This involves Max cardinality / Existential Restriction depending on the selected ACE profile.

10. What are the academic collaboration networks?

**SELECT**

**?conference ?domain (COUNT(?domain) AS ?count)**

**WHERE**

**{**

**?paper ACE:isAcceptedAt ?conference. ?paper ACE:hasDomain ?domain;**

**}**

**GROUP BY ?domain**

**ORDER By DESC(?count)**

(If OWL reasoning has to be included then additional triple (?paper RDF:type ACE:ConferencePaper) has to be included in the query. This involves Max cardinality / Existential Restriction depending on the selected ACE profile.

11. Who are the non-academic collaborators in a given field?

**SELECT**

**?conference ?domain (COUNT(?domain) AS ?count)**

**WHERE**

**{**

**?paper ACE:isAcceptedAt ?conference. ?paper ACE:hasDomain ?domain;**

**}**

**GROUP BY ?domain**

**ORDER By DESC(?count)**

(If OWL reasoning has to be included then additional triple (?paper RDF:type ACE:ConferencePaper) has to be included in the query. This involves Max cardinality / Existential Restriction depending on the selected ACE profile.

12. What is the geographical distribution of research activities?

**SELECT**

**?conference ?domain (COUNT(?domain) AS ?count)**

**WHERE**

**{**

**?paper ACE:isAcceptedAt ?conference. ?paper ACE:hasDomain ?domain;**

**}**

**GROUP BY ?domain**

**ORDER By DESC(?count)**

(If OWL reasoning has to be included then additional triple (?paper RDF:type ACE:ConferencePaper) has to be included in the query. This involves Max cardinality / Existential Restriction depending on the selected ACE profile.

13. What is the impact of different platforms on conference trends?

**SELECT**

**?conference ?domain (COUNT(?domain) AS ?count)**

**WHERE**

**{**

**?paper ACE:isAcceptedAt ?conference. ?paper ACE:hasDomain ?domain;**

**}**

**GROUP BY ?domain**

**ORDER By DESC(?count)**

(If OWL reasoning has to be included then additional triple (?paper RDF:type ACE:ConferencePaper) has to be included in the query. This involves Max cardinality / Existential Restriction depending on the selected ACE profile.