

## OntologySummit2010: Creating the Future Ontologists

### RTDelphi – Study on the “Future of Ontologists” - Collected Input

	Development	Timeframe	Actions	Barriers
1	On a global basis, at least 10 universities have an Ontology Science department.	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 0 ) within 2 years ( 1 ) 2-5 years ( 2 ) 5-10 years ( 5 ) 10-20 years ( 4 ) beyond 20 years ( 1 ) never (please explain) ( 10 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 15	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 9
2	On a global basis, at least 10 universities have an Ontology Engineering department.	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 0 ) within 2 years ( 0 ) 2-5 years ( 2 ) 5-10 years ( 5 ) 10-20 years ( 3 ) beyond 20 years ( 0 ) never (please explain) ( 10 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 1	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 1
3	On a global basis, at least 10 universities have cross-disciplinary programs in Ontology Science and/or Engineering department offering Master degrees (for career professionals) or PhD degrees (for researchers).	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 1 ) within 2 years ( 2 ) 2-5 years ( 4 ) 5-10 years ( 7 ) 10-20 years ( 5 ) beyond 20 years ( 0 ) never (please explain) ( 2 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 6	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 3
4	At least 5% of all professionals in system architecture, systems design and engineering, software engineering and information technology will be required to have proper ontology training (and a larger number will need some background in ontology).	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 0 ) within 2 years ( 2 ) 2-5 years ( 1 ) 5-10 years ( 10 ) 10-20 years ( 1 ) beyond 20 years ( 1 ) never (please explain) ( 2 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 2	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 1
5	Accredited programs are available from educational institutions that train certified professional Ontologists (with the kind of standings that other professionals like scientists, engineers, architects, lawyers, doctors, nurses, pharmacists, etc.)	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 0 ) within 2 years ( 1 ) 2-5 years ( 4 ) 5-10 years ( 1 ) 10-20 years ( 7 ) beyond 20 years ( 1 ) never (please explain) ( 2 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 1	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 1
6	The terms and the disciplines of "Formal Ontology" and "Ontology in Information Science" are properly understood by academia and industry (in related fields).	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 0 ) within 2 years ( 5 ) 2-5 years ( 1 ) 5-10 years ( 8 ) 10-20 years ( 0 ) beyond 20 years ( 1 ) never (please explain) ( 2 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 3	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 2
7	The "ontology" word, and teaching of the basics of it, shows up in secondary/high school education.	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 1 ) within 2 years ( 2 ) 2-5 years ( 1 ) 5-10 years ( 2 ) 10-20 years ( 2 ) beyond 20 years ( 4 ) never (please explain) ( 4 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 1	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 1
8	The "ontology" word, and teaching of the basics of it, shows up in primary/elementary school education.	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 0 ) within 2 years ( 0 ) 2-5 years ( 1 ) 5-10 years ( 0 ) 10-20 years ( 3 ) beyond 20 years ( 5 ) never (please explain) ( 7 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 2	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 1
9	The discipline of "Ontology" is properly understood by everyday people (the way disciplines like mathematics, physics, psychology, music, art, etc. are understood).	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 0 ) within 2 years ( 0 ) 2-5 years ( 1 ) 5-10 years ( 2 ) 10-20 years ( 4 ) beyond 20 years ( 4 ) never (please explain) ( 5 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 2	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 1
10	International Standards are regularly being developed and expressed, BOTH in a natural language and as an ontology.	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 1 ) within 2 years ( 1 ) 2-5 years ( 2 ) 5-10 years ( 8 ) 10-20 years ( 4 ) beyond 20 years ( 0 ) never (please explain) ( 0 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 1	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 1
11	Persistent repositories of quality ontologies are available for professional and public use (and they are being regularly used).	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 2 ) within 2 years ( 2 ) 2-5 years ( 5 ) 5-10 years ( 6 ) 10-20 years ( 1 ) beyond 20 years ( 0 ) never (please explain) ( 0 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 3	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 1
12	Compelling tools that allow everyday data and information to be "ontologized" by everyday people emerge; please suggest what those tools might be.	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 0 ) within 2 years ( 1 ) 2-5 years ( 0 ) 5-10 years ( 10 ) 10-20 years ( 0 ) beyond 20 years ( 1 ) never (please explain) ( 3 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 3	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 3
13	Compelling "ontology-enabled" applications emerge; please suggest what they might be.	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 2 ) within 2 years ( 1 ) 2-5 years ( 9 ) 5-10 years ( 2 ) 10-20 years ( 1 ) beyond 20 years ( 0 ) never (please explain) ( 0 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 2	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 1
14	Compelling evidence of the benefits of "Ontology" emerge; please suggest what they might be.	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 5 ) within 2 years ( 2 ) 2-5 years ( 3 ) 5-10 years ( 5 ) 10-20 years ( 0 ) beyond 20 years ( 0 ) never (please explain) ( 0 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 3	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 1
15	Significant increase (10x the current level or better; assuming current level is non-zero) in R&D funding is put into developing Ontology science and engineering.	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 0 ) within 2 years ( 1 ) 2-5 years ( 4 ) 5-10 years ( 5 ) 10-20 years ( 1 ) beyond 20 years ( 2 ) never (please explain) ( 3 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 1	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 1
16	A major breakthrough is made in the field of Ontology.	<b>What is your time estimate for this to happen?</b> here now (please explain) ( 0 ) within 2 years ( 1 ) 2-5 years ( 2 ) 5-10 years ( 9 ) 10-20 years ( 1 ) beyond 20 years ( 0 ) never (please explain) ( 3 )	<b>What are the top 3 to 5 things that need to happen to trigger this development (please prioritize by listing the most important ones first)</b> Responses = 2	<b>What are the key barriers to this development, and what can be done to mitigate each (identified by yourself or others) to accelerate its happening (compared to your time estimate in column 1)</b>  Responses = 1

Date: cut-off end 25 February, 2010