15:06:41 From Klaas Wierenga to Everyone:

 Can the slides be shared afterwards?

15:07:17 From Simon Hodson (CODATA) to Everyone:

 thanks, Klaas. Yes, the slides and the recording will be made available after the event.

15:08:44 From Klaas Wierenga to Everyone:

 Super!

15:08:50 From Simon Hodson (CODATA) to Everyone:

 Welcome everyone. We reserved 90 minutes for this but we may not use all that. Arofan will speak for about 45 minutes and then we will have a discussion and take questions on the ideas presented.

15:18:46 From Alexander Martijn Prent to Everyone:

 I think we ARE selling stuff!

15:18:59 From Alexander Martijn Prent to Everyone:

 It's so important to sell the importance of FAIR

15:24:04 From Simon Hodson (CODATA) to Everyone:

 Persuade and convince might be a better term, but I take your point Alexander.

15:24:31 From Alexander Martijn Prent to Everyone:

 :) I'm happy to discuss later

15:25:05 From Richard Dennis to Everyone:

 FAIR benefits us all but it also benefits researchers

15:25:48 From Simon Hodson (CODATA) to Everyone:

 PWC report <https://publications.europa.eu/resource/cellar/d375368c-1a0a-11e9-8d04-01aa75ed71a1.0001.01/DOC_1>

15:26:32 From Klaas Wierenga to Everyone:

 I learnt to use a crazy 10-digit number format called phone numbers, the benefits outweighed the disadvantages. Now my phone handles the complexity ;-)

15:26:53 From Alasdair Gray to Everyone:

 Cost of adoption needs to be demonstrably lower than the cost of not adopting and immediately tangible. Too often it is not immediately obvious what the cost/benefit is for FAIR data for a lot of providers.

15:26:54 From Laura Molloy to Everyone:

 Cost to the European economy “€10.2bn every year”

15:26:59 From Simon Hodson (CODATA) to Everyone:

 Estimated opportunity cost of at least 10.2 Bn euros; with an additional 16Bn likely based on extrapolation.

15:28:04 From Lauren Maxwell to Everyone:

 And that was the cost prior to COVID!

15:29:22 From Alasdair Gray to Everyone:

 At the moment there is a big overhead to make something FAIR with no immediate payback to the data provider. So while there are reports stating large sums of money, it is not immediately tangible to the data provider.

15:30:42 From Simon Hodson (CODATA) to Everyone:

 Alasdair: I think that’s very true, however, the motivation of this work is in response to data providers who need to support cross-domain research projects. FAIR is the tools to allow that data combination to support specific projects. That is where the case studies come in.

15:31:28 From Majid Ounsy to Everyone:

 This problem of many to many content conversion problems makes me think to a similar problem that projects in the field of microservices Distributed computing (a lot of protocoles to cope with) or IoT (again a lot of hardware standards to cope with) have been facing. They finally came with a same kind of solution: introduce an intermediary even driven layer (Ex. the Kafka streaming Framework). Each protocal/information/source Producer registers into the intermediary broker with a definition of its standard that the broker maps to an internal transparent "information model". Each information consumer subscribes to the broker telling that it expects the information conforms to a given standard (known in a registry) and the broker provides does the reverse mapping internally before providing the consumer with the needed information in the standard it expects.

15:34:59 From Thomas Exner to Everyone:

 I completely agree with Alasdair and started writing a similar comment already. This is already an issue in the naming. Why are we always talk about reuse and not more generally about use since FAIR principles have benefits already when the data is used in a multi-partner project or even in an individual group, where most people would not see this as reuse. FAIR has to become part of the daily life of a scientists and not an afterthought. Otherwise this will fail.

15:35:36 From Natalie Meyers to Everyone:

 I have been advocating FAIR services layers that can re-present actionable data & metadata to systems that expect triples with the data in the back staying in blockchain ledger, sql rdbms, or xml or whatever . . . so software and users on a gui or command line (either one) can hit the system and it can act like the triples FAIR sparql tools expect but is better managed for the science instruments and tools that people are really using to manage their data . . .

15:35:59 From Marta Gutierrez to Everyone:

 FAIR is missing the quality part too

15:38:09 From Laura Molloy to Everyone:

 Upcoming FDO Forum events <https://fairdo.org/events/>

15:38:59 From Simon Hodson (CODATA) to Everyone:

 Thanks Laura. The key FDO Forum event is the first conference in Leiden in October. That will be part of a week including the FAIR Convergence Symposium.

15:44:34 From Stuart Chalk to Everyone:

 [Apologies for self-promoting] Structural metadata and data can be organized in the SciData framework using the SciData ontology (in JSON-LD). See <https://stuchalk.github.io/scidata/>.

15:46:28 From Stuart Chalk to Everyone:

 <https://codata.org/initiatives/task-groups/drum/>

15:48:29 From Simon Hodson (CODATA) to Everyone:

 Cox et al. Ten simple rules for making a vocabulary FAIR <https://doi.org/10.1371/journal.pcbi.1009041>

15:49:33 From Simon Hodson (CODATA) to Everyone:

 This is Arofan’s penultimate slide - I’ll do a quick summary and next steps. Please share any questions for the discussion.

15:52:37 From Alexander Martijn Prent to Everyone:

 Shouldn't the groups/people that have the most benefit of FAIR support the solution the most

15:53:07 From Stuart Chalk to Everyone:

 Are Arofan’s slides going to be made available?

15:53:13 From Alexander Martijn Prent to Everyone:

 And; How to prevent yet 'another' standard to come out as the 'gold standard'

15:53:33 From Alexander Martijn Prent to Everyone:

 Hi Stuart yes they'll be made available afterwards

15:53:44 From Stuart Chalk to Everyone:

 Great, thanks!

15:53:46 From Alexander Martijn Prent to Everyone:

 The whole presi as a recording will

15:58:13 From Hilde Orten to Everyone:

 Very important contribution! Thanks! Simon and Milan, do you see ways for collaboration between EOSC and GOSC to happen?

15:58:42 From Geoffrey Boulton to Everyone:

 Question: The ISC Steering Group on Open Science is promoting preprints as a disruptive replacement for the inefficient journal mode that falls far short of what is needed by science, and what could be done. It seeks to develop its market attraction (reduced cost/increased functionality), by developing the functionality of arXiv style publications with peer review overlay. An important part of this enhanced functionality could be data access and interoperability. Would it be timely to have a conversation?

15:59:59 From Marta Gutierrez to Everyone:

 Great challenges as covid or climate won’t be a research problem only from RI, there will be a lot of data coming from IoT (industrial data ) we need to learn how to do interoperability at that level too.

16:01:05 From Alexander Martijn Prent to Everyone:

 Very interesting @Geoffrey

16:01:26 From Majid Ounsy to Everyone:

 How do we join thes Working Groups?

16:01:46 From Milan Ojsteršek to Everyone:

 Hilde: I think that work of GOSC data interoperability and EOSC semantic interoperability has similar goals. Both will use results from each others.

16:02:10 From Hilde Orten to Everyone:

 Thanks Milan! makes sense

16:02:49 From Audrey Masizana to Everyone:

 Very Insightful presentation.s Thank you

16:03:08 From Flavio Rizzolo to Everyone:

 Great presentation! Unfortunately I have to leave, but we can continue offline.

16:03:13 From Milan Ojsteršek to Everyone:

 If you want to join GOSC groups, please fill form on <https://codata.org/initiatives/decadal-programme2/global-open-science-cloud/sign-up-for-gosc-groups-and-studies/>

16:03:39 From Majid Ounsy to Everyone:

 Thanks!

16:05:26 From Marta Gutierrez to Everyone:

 Thanks ! Really interesting loads of challenges there …

16:06:41 From Natalie Meyers to Everyone:

 WholeTale, CodeOcean, PaperswithCode, Serif can all be part of preprint infrastructures?

16:09:03 From Geoffrey Boulton to Everyone:

 It is appalling that we should not require data relevant to a published truth claim to be concurrently available.

16:10:15 From Natalie Meyers to Everyone:

 <https://wholetale.org/> | <https://paperswithcode.com/> and the journals participating in TOPFACTOR show which journals require data, code etc on top factor you can see which journals require the data, code, and more https://www.cos.io/initiatives/top-guidelines

16:11:48 From Natalie Meyers to Everyone:

 Some good examples here on code ocean too https://codeocean.com/explore

16:12:15 From Alexander Martijn Prent to Everyone:

 Agreed, without tools it's too 'difficult'

16:12:48 From Natalie Meyers to Everyone:

 Here’s the IEEE kickoff page to encourage authors to share code and data <https://innovate.ieee.org/ieee-code-ocean/>

16:16:16 From Alexander Martijn Prent to Everyone:

 A data provider will spend more to produce fair data for the benefit of the researcher, then the researcher should compensate for that effort right?

16:16:27 From Alexander Martijn Prent to Everyone:

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16:17:04 From Alexander Martijn Prent to Everyone:

 I agree totally! It's the most efficient way, however labs currently have limited funds

16:18:14 From Philipp Conzett (UiT) to Everyone:

 Also data support providers have limited funds :-/

16:18:58 From Hilde Orten to Everyone:

 The is great! Develop profiles of use for particular usecases?

16:19:19 From Thomas Exner to Everyone:

 In the projects I am in, I am asking all data providers to add 10% of the time they have allocated for producing the data for data management. And this is done often in another work package (EU way of organisation) to make it clear that this is only for this task. And they get € for this.

16:20:57 From Lauren Maxwell to Everyone:

 Thank you!!! Really interesting presentations and comments.

16:21:27 From Alexander Martijn Prent to Everyone:

 Are we trying to encompass all science domains into a high level data standard?

16:25:46 From Alexander Martijn Prent to Everyone:

 That in itself is standardisation :)

16:38:27 From Simon Hodson (CODATA) to Everyone:

 We’d like to discuss further, Majid. And to explore a case study with you.

16:39:33 From Majid Ounsy to Everyone:

 For sure Simon, I'll send you an email to start discussion. Thanks!

16:39:48 From Alexander Martijn Prent to Everyone:

 Try --> fall --> try again differently

16:40:13 From Geoffrey Boulton to Everyone:

 Fail better!

16:40:21 From Alexander Martijn Prent to Everyone:

 Thanks all