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| <b>Event title</b>        | WORKSHOP: Make your bioinformatics workflows findable and citable  |
| <b>Event type</b>         | Workshop   |
| <b>Date of event</b>      | 21 March 2023  |
| <b>Time of event</b>      | 3-5pm AEST   |
| <b>Topic description</b>  | <p>Computational workflows are invaluable resources for research communities. They help us standardise common analyses, collaborate with other researchers, and support reproducibility. Bioinformatics workflow developers invest significant time and expertise to create, share, and maintain these resources for the benefit of the wider community and being able to easily find and access workflows is an essential factor in their uptake by the community.</p> <p>Increasingly, the research community is turning to workflow registries to find and access public workflows that can be applied to their research. Workflow registries support workflow findability and citation by providing a central repository and allowing users to search for and discover them easily.</p> <p>This workshop will introduce you to workflow registries and support attendees to register their workflows on the popular workflow registry, WorkflowHub. We'll kick off the workshop with an introduction to the concepts underlying workflow findability, how it can benefit workflow developers, and how you can make the most of workflow registries to share your computational workflows with the research community. You will then have the opportunity to register your own workflows in <a href="https://www.workflowhub.eu/">WorkflowHub</a> with support from our trainers.</p> |
| <b>Format description</b> | <p>This interactive online workshop via Zoom included:</p> <p>Part 1: An introduction to the workflow registry WorkflowHub and live demo of workflow registration</p> <p>Part 2: An optional bring-your-own-workflow co-working session, where you can get assistance registering your own workflow(s)</p> <p>Expert trainers were available to provide support during the workshop.</p> <p>A breakdown of timings and topics is provided in the schedule.</p> <p>Approximate number of participants = 25</p>  |
| <b>Identifier(s)/URL</b>  | <a href="https://www.biocommons.org.au/events/findable-workflows">https://www.biocommons.org.au/events/findable-workflows</a>  |
| <b>Licence</b>            | Materials are shared under a Creative Commons Attribution 4.0  |

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|                               | International agreement unless otherwise stated on the materials  |
| <b>Keywords</b>               | Bioinformatics <a href="http://edamontology.org/topic_0091">http://edamontology.org/topic_0091</a><br>Analysis <a href="http://edamontology.org/operation_2945">http://edamontology.org/operation_2945</a><br>Workflows <a href="http://edamontology.org/topic_0769">http://edamontology.org/topic_0769</a><br>WorkflowHub<br>Reproducibility<br>Open Science<br>FAIR   |
| <b>Contact</b>                | training@biocommons.org.au  |
| <b>Audience</b>               | The workshop is designed for anyone who is creating workflows, either via platforms like Galaxy Australia, or via the command line.   |
| <b>Prerequisites</b>          | Some knowledge of GitHub will be beneficial, but is not critical.   |
| <b>Technical requirements</b> | Access to the internet, speakers, a webcam, microphone and Zoom.  |
| <b>Learning outcomes</b>      | By the end of the workshop you should be able to: <ul style="list-style-type: none"> <li>• Register with WorkflowHub</li> <li>• Create and join teams and spaces on WorkflowHub</li> <li>• Register workflows manually</li> <li>• Register workflows by importing from a GitHub repository</li> <li>• Maintain your workflows</li> <li>• Understand the workflow metadata that is most useful to maintain</li> <li>• Create a workflow DOI</li> <li>• Cite workflows</li> </ul> |
| <b>Lead Trainers</b>          | Dr Johan Gustafsson, Bioinformatics Engagement Officer, Australian BioCommons   |
| <b>Facilitators</b>           | Dr Georgina Samaha, Senior Bioinformatician, Sydney Informatics Hub, University of Sydney   |
| <b>Related work</b>           | WorkflowHub documentation:<br><a href="https://about.workflowhub.eu/docs/registering-a-workflow/">https://about.workflowhub.eu/docs/registering-a-workflow/</a>   |