



i-Hub newsletter

May 2020

i-Hub milestone 3 completed

At the end of April, the 12 current i-Hub projects completed the work to achieve the Milestone 3 targets. Following execution of the sub-project agreements, all sub-projects have entered an intensive implementation phase. All are working hard to meet their original delivery timeline.

All 12 active sub-projects have completed their M3 deliverables as per their respective sub-project agreements. Risk-management plans have been reviewed to consider COVID-19 risks.

Living laboratory accelerators



Green proving grounds

Living Laboratory sub-projects (six sub-projects)

Sector-wide activities (for healthcare and for schools) have been completed, providing a Renewable Energy and Enabling Technology and Services Framework (REETSEF) and Energy and KPI baselines – international and national – for each sector.

Each Living Laboratory site has been provided with a prospectus and operations manual. The prospectus will be issued to potential technology/service providers, encouraging submissions of expressions of interest. There have been discussions with several technology providers interested in using the Living Labs. Pre-planning for testing includes the development of a draft template for technology testing and reporting.

Integrated Design Studio (three sub-projects)

Project Short Reports were completed, and sub-project webpages created. Two pilot studios – targeting data centres and schools – have commenced and are in progress (50 per cent completed). Due to the COVID-19 restrictions, delivery and facilitation of the Integrated Design Studios have moved to 100 per cent online delivery.



Integrated Design Studios

Observation in studios has commenced, with preliminary findings already beginning to emerge. The studios appear to be running successfully, with positive feedback from individuals involved. They are on track to achieve sub-project deliverables/outcomes.

The knowledge-sharing sub-project has developed a knowledge-sharing framework. This has seen a trial Integrated Design Process put in place and a series of magazine articles and a journal paper on the integrated design topic. Several early research observations have been made and lessons are already being learned and documented.



Data Clearing House (three sub-projects)

The first three pilot buildings have been onboarded onto the Senaps prototype data platform, complete with Brick meta-data schema. Initial dashboards have been produced for facilities managers.

The DCH1 team has carried out an initial evaluation of current capabilities of the Senaps platform and identified existing functionalities that can be directly beneficial for the DCH platform, and areas for further development to meet the Buildings to Grid data platform.

Onboarding of the three buildings into the Switch Data Layer platform was delayed by a change in the data ingestion approach, requiring some additional software development. This is now completed.

In DCH6.1, the site surveys of three schools along with initial engineering design work has been completed. Access to one (of three) schools was limited by COVID-19 restrictions but has now been completed.

The initial "National HVAC DR Atlas" interactive tool has been developed by DCH1 and is ready for an initial round of consultation.

i-Hub Summit I – webinar series announced



During June and July, i-Hub will be running a series of webinars to provide an update on the current research and status of the projects under way. To register for these free webinars please click on the links below.

- Wednesday, June 24 at 12 midday AEST/11.30am ACST/10am AWST – Integrated Design Studio Webinar
- Wednesday, July 1 at 12 midday AEST/11.30am ACST/10am AWST – Data Clearing House Webinar
- Wednesday, July 8 at 12 midday AEST/11.30am ACST/10am AWST – Living Laboratories Webinar

Full details of the i-Hub Summit webinar series including speakers and presentation details will be available on the i-Hub website shortly.

News

Luke Menzel Appointed to i-Hub Board

Energy Efficiency Council (EEC) CEO Luke Menzel has been appointed to the Steering Committee of the i-Hub. [Read more here.](#)

Living Lab Test Facilities in Queensland

Dr Wendy Miller from QUT presented a seminar on Friday, May 1, 2020, about the US Green Proving Ground program that uses federal government buildings as living labs. The presentation and the accompanying notes are available [here.](#)

Integrated Design Studios

Want to know more?

- What is integrated design, why is it important, and what are we doing about it?
- Integrative design: Key to deliver high-performance buildings to clients

Webinar – Planning and Design for Getting to Zero in Schools

Zero energy school construction is a growing trend across the US. An innovative combination of internal and external champions, integrated design, energy efficiency management strategies and renewable energy is making these possible at little to no extra cost. Join Zachary Schneider and Brian Turner as they discuss the successful approach to planning for and designing these high-performance schools without the price tag.

Please [click here](#) to register.

i-Hub is open for applications

i-Hub is open to applications from industry participants who have suitable demonstration projects that require co-funding. The project has received funding from ARENA as part of ARNEA's Advanced Renewables Project. For more information, visit [this page.](#)

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This project receives funding from ARENA as part of ARENA's Advancing Renewable's Program. The views expressed herein are not necessarily the views of the Australian Government and the Australian Government does not accept responsibility for any information or advice contained herein.

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