

**Dr Dominique Hes** M.ARIAH, M.AICD, GIA(A)

PhD-Arch (RMIT), Grad Dip Eng (RMIT), BSc-Botany (Melb), CertGovPrac (GIA)

### **Current position: Chair of the Board at Greenfleet and Zero Carbon Building Lead City of Melbourne**

Dr. Dominique Hes is a dynamic leader with over 30 years of experience driving transformative solutions in the built environment and sustainability. A multidisciplinary expert with degrees in Botany, Engineering, and Architecture, Dominique integrates regenerative development, placemaking, biophilia, urban greenery, and sustainable innovation into actionable projects that tackle the complex challenges facing our cities.

An award-winning author, consultant, researcher, and academic, Dominique has contributed to the completion of impactful projects and fostered collaboration across industry, government, academia, and community sectors. Her proven ability to bridge disciplines and navigate governance complexities ensures the delivery of resilient, human-centered, and ecologically sound solutions.

Dominique's governance roles reflect her passion for sustainable systems: she was a founding Board Member of the Living Future Institute of Australia (2012–2015), a Trustee at Trust for Nature (serving on Marketing, Funding, and Conservation committees) (2019–2021), and currently serves as Chair of the Board at Greenfleet (2017–). Her contributions have been recognized with numerous national and international awards for excellence in practice, teaching, and research.

An accomplished author, Dominique has written and edited seven books and over 100 papers and reports, showcasing her ability to translate complex ideas into practical applications. Committed to good governance, collaboration, and the resilience of human and non-human systems, Dominique continues to inspire and lead initiatives that shape a sustainable and regenerative future.

### **ACADEMIC EXPERIENCE SUMMARY**

Supervised 20+ PhDs, masters and honors students

Written and edited 7 books

Written over 100 chapters, journal and conference papers and reports

Attracted and managed over \$3M in research funding

Director of Thrive research hub 2015–2019 - developed, established, found funding, and directed for 3 years, managing 12 academics, focusing on industry lead research projects and interdisciplinary collaboration between construction, property, architecture, landscape and planning.

Director of Place Agency 2017–2019 - developed, established, found funding, and directed, managing collaboration between 7 universities, 20 academics, delivering several books, 27 studio projects, an online training package, an event in each state and engagement of over 5000 people around Australia.

### **PAST ROLES**

POLICY ADVICE EMBODIED CARBON – 2023–2024 ThingStepANZ

POLICY COMMUNICATION MASTERCLASS DEVELOPMENT – 2024 AlchemyColab for the International Energy Agency EBC.

CIRCULAR ECONOMY MINISTERIAL ADVISORY GROUP – 2022–2024

ZERO CARBON BUILDING LEAD City of Melbourne – 2021 – 2023

PRINCIPAL RESEARCHER Beyond Zero Emissions – 2019 – 2020

I reported to the board and led the development of the research strategy in the Hunter Valley.

DIRECTOR OF PLACE AGENCY UNIVERSITY OF MELBOURNE – 2017 – 2019

This is an organization I set up in 2017 based on a \$940,000 grant from the Myer foundation. Place Agency was a collaboration of 7 universities, across 5 states, with 14 practitioner partners and 30+ industry and councils.

DIRECTOR OF THRIVE RESEARCH HUB UNIVERSITY OF MELBOURNE – 2016 – 2018

This is an organization I set up in 2015/6 based on a startup grant from the Melbourne School of Design Faculty. Thrive Hub is a collaboration of 15 academics across the disciplines of ecology, landscape, planning, architecture and construction. The outcome has included over 100 publications, several books, several research grants and an international award-winning app called Plant Life Balance.

ASSISTANT DEAN EQUAL OPPORTUNITY (2yr term) – 2013 – 2015

I set up and defined the role, identified areas of need and developed outcomes to support these needs: working from home guide, sabbatical with family guide, work life balance guide and case studies. In this role I reported to the executive and the central university.

SENIOR LECTURER – 2011-2018 - Senior Lecturer Sustainable Architecture University of Melbourne

LECTURER 2006 – 2011 – Lecturer Sustainable Architecture University of Melbourne

PHD – 1999-2005 – RMIT University, School of Architecture and Design.

MANAGER Sustainable Building research program 2001 – 2005 at the Centre for Design at RMIT University

RESEARCH ASSISTANT Life Cycle Assessment Program 1998 – 2001 at the Centre for Design at RMIT University

INTERNATIONAL PRODUCT MANAGER 1996-1998 – PRe consultants, Netherlands

## QUALIFICATIONS

1999-2005 PhD, RMIT University, School of Architecture and Design.

1995-1998 Graduate Diploma in Cleaner Production, RMIT University, Graduate School of Engineering

1990-1995 Bachelor of Science – Botany (and environmental science), University of Melbourne

2020 Governance Institute Certificate in Governance Practice 124572 - Duties of Officers and Directors/

Governance Essentials/ Financial Analysis for Officers and Directors/ Assessing, Analysing and Treating Risk/ Not-for-Profit Officers, Directors and the Board

2019 Governance Institute E02584 TR-EDC Effective Director Course

2010 Cert IV in teaching and learning: TAEASS401A, TAEASS402A, TAEASS403A, BSBCMM401A, TAEDEL301A, TAEDEL401A and TAEDEL402A

NABERS accreditation

First Rate accreditation

2008 Green Star accreditation

## PERSONAL

I am a proud mother of a 16-year-old daughter with a deep passion for outdoor activities like cycling, kayaking, and gardening. My love for nature and community drives my commitment to volunteering, which has included projects such as weatherproofing refugee homes with the Welcome West Wagon, maintaining Newport Lake Park, and running the plant stall at our school fete.

Together with another parent, I successfully secured funding through the Pick My Project initiative to establish a community garden at our school, delivering a capacity-building and engagement project that continues to enrich our local community.

I strongly believe in the power of contributing to systems to help them thrive. My global perspective is shaped by traveling through Asia, the USA, and Europe, and by living in South Africa, Brazil, and the Netherlands, experiences that have deepened my appreciation for diverse cultures and the interconnectedness of our world.

## AWARDS RECEIVED

2020 Banksia Academic research award – Place Agency

2019 Asia Pacific - Place Leaders Asia Pacific, Place Leadership award for Place Agency –

<https://www.placeleaders.com/awards>

2016 International - South African Institute of Architecture Category B – 2016 The Award for Research in Sustainability went to Designing Hope for Pathways to Regenerative Sustainability -

<http://saia.org.za/newsletter/233.php>

2015 National - Deni Greene Bob Brown – 2015 - For a professional who has shown outstanding courage in their work for sustainability

2015 National - National Citations for Outstanding Contributions to Student Learning 2015

2015 University - University of Melbourne, Teaching Excellence Award 2015  
 2015 Faculty - University of Melbourne, Faculty of Architecture, Building and Planning, Teaching Design Excellence Award 2015  
 2009 Faculty - University of Melbourne, Faculty of Architecture, Building and Planning, Teaching Design Excellence Award 2009  
 2004 National - Banksia award – Darebin City Council for Leadership in Sustainability in Buildings for the Reservoir Civic Centre  
 2003 National - 13th Annual Business and Higher Education Round table honorary mention for Outstanding Achievement in Collaboration in Education and training  
 2000 National - 10th Annual Business and Higher Education Roundtable award for Outstanding Achievement in Collaboration in Education and training

## PUBLICATIONS

### Books

1. Hes, D. (2024). *The stories of Newport Lakes*. Melbourne. ISBN-10: 064670494X. ISBN-13: 978-0646704944.
2. Hes, D., & Hernandez Santin, C. (Eds.). (2020). *Placemaking fundamentals for the built environment*. Palgrave Macmillan.
3. Hes, D., & Bush, J. (Eds.). (2018). *Enabling eco-cities: Defining, planning and creating a thriving future*. Palgrave Macmillan.
4. Hes, D., & du Plessis, C. (2015). *Designing for hope: Pathways to regenerative sustainability*. Earthscan from Routledge.
5. Hes, D. (2010). *Facilitating green building: Turning observation into practice*. LAP Lambert Academic Publishing.
6. Hes, D. (2009). *ESD design guide for commercial buildings* (3rd ed.). Federal Government. Retrieved from <http://olr.npi.gov.au/sustainability/government/publications/esd-design/pubs/esd-design-guide-cover.pdf>
7. Hes, D. (2007). *ESD operations guide for owners, managers and tenants*. Federal Government. Retrieved from <http://www.gbca.org.au/uploads/244/36084/Dept%20of%20Environment%20esd-operations-guide.pdf>

### Book chapters

1. Roggema, R., & Hes, D. (2023). Oral learning. *Trends in Urban Design: Insights for the Future Urban Professional*, 21–29. Springer, Cham. [https://doi.org/10.1007/978-3-031-21456-1\\_2](https://doi.org/10.1007/978-3-031-21456-1_2)
2. Shuman, M. H., Rochecoste, G., Hocking, C., & Hes, D. (2022). The new local lens: A framework for local place regeneration and economic diversification. In *Design for Regenerative Cities and Landscapes: Rebalancing Human Impact and Natural Environment* (pp. 197–225). Cham: Springer International Publishing.
1. Hernandez-Santin, C., Hes, D., Beer, T., & Lo, L. (2020). Regenerative placemaking: Creating a new model for place development by bringing together regenerative and placemaking processes. In *Designing Sustainable Cities* (pp. 53–68). Springer, Cham. [https://doi.org/10.1007/978-3-030-54686-1\\_4](https://doi.org/10.1007/978-3-030-54686-1_4)
2. Hes, D., & Bush, J. (2020). Designing for living environments using regenerative development: A case study of The Paddock. In M. Pedersen Zari, P. Connolly, & S. Southcombe (Eds.), *Ecologies Design: Transforming Architecture, Landscape, and Urbanism*. Routledge.
3. Bush, J., Hernandez-Santin, C., & Hes, D. (2020). Learning placemaking and green space design. In I. Mateo-Babiano & K. Palipane (Eds.), *Placemaking Sandbox: Emergent Approaches, Techniques, and Practices to Create Thriving Places*. Palgrave Macmillan.
4. Hes, D., Mateo-Babiano, I., & Lee, G. (2020). Fundamentals of placemaking for the built environment: An introduction. In D. Hes & C. Hernandez-Santin (Eds.), *Placemaking Fundamentals for the Built Environment*. Palgrave Macmillan.
5. Bush, J., Hernandez-Santin, C., & Hes, D. (2020). Nature in place: Placemaking in the biosphere. In D. Hes & C. Hernandez-Santin (Eds.), *Placemaking Fundamentals for the Built Environment*. Palgrave Macmillan.
6. Hes, D., Hernandez-Santin, C., & Beer, T. (2020). Place evaluation: Measuring what matters by prioritizing relationships. In D. Hes & C. Hernandez-Santin (Eds.), *Placemaking Fundamentals for the Built Environment*. Palgrave Macmillan.

7. Hes, D., & Coenen, L. (2018). Regenerative development and transitions thinking. In D. Hes & J. Bush (Eds.), *Enabling Eco-Cities: Defining, Planning, and Creating a Thriving Future*. Palgrave Macmillan.
8. Hes, D., & Bush, J. (2018). Introduction: Creating eco-cities—from sustaining to thriving. In D. Hes & J. Bush (Eds.), *Enabling Eco-Cities: Defining, Planning, and Creating a Thriving Future*. Palgrave Macmillan.
9. Bush, J., & Hes, D. (2018). Urban green space in the transition to the eco-city: Policies, multifunctionality, and narrative. In D. Hes & J. Bush (Eds.), *Enabling Eco-Cities: Defining, Planning, and Creating a Thriving Future*. Palgrave Macmillan.
10. Hes, D., & Bush, J. (2018). The problem, the potential, the future: Creating a thriving future. In D. Hes & J. Bush (Eds.), *Enabling Eco-Cities: Defining, Planning, and Creating a Thriving Future*. Palgrave Macmillan.
11. Bush, J., Hes, D., & Murfitt, P. (2018). How could sustainability transition theories support practice-based strategic planning? In T. Moore, F. de Haan, R. Horne, & B. Gleeson (Eds.), *Urban Sustainability Transitions: Australian Cases – International Perspectives* (pp. 73–89).
12. Ong, B. L., Fryd, O., Hes, D., Lu, A., & Ngo, T. D. (2017). Green plot ratio and mutopia. In *Growing Compact: Urban Form, Density, and Sustainability*. Routledge.
13. Hes, D., Jensen, C., & Aye, L. (2016). Cool roofs versus green roofs. In S. J. Wilkinson & T. Dixon (Eds.), *Building Resilience in Urban Settlements: Green Roof Retrofit*. Emerald.
14. Hes, D. (2014). Biophilic design: Connection to nature is central to wellbeing and good design. In D. Clarke (Ed.), *Rethink Materials*. Sydney: C/Creations.
15. Hes, D. (2011). The EGLE has landed: Architecture reshaping schools for sustainable and effective learning. In H. Bender (Ed.), *Reshaping Environments: An Interdisciplinary Approach to Sustainability in a Complex World*. Cambridge University Press.
16. Hes, D. (2009). Sustainability for learning environments. In K. Fisher & C. Newton (Eds.), *Take 8—Learning Spaces* (pp. 122–129). RAIA.
17. Hes, D. (2007). CH2, Melbourne City Council, Australia. In W. Cheshire, R. Hyde, M. Thompson, & S. Watson (Eds.), *Environmental Brief* (pp. 239–254). Taylor & Francis.
18. Hes, D. (2004). Facilitating sustainable building: Turning observation to practice. In S. Holdsworth & T. Caswell (Eds.), *Protecting the Future: Global Sustainability in Practice at RMIT University* (pp. 137–158). CSIRO.

#### Refereed journal articles

1. Toner, J., Desha, C., Reis, K., Hes, D., & Hayes, S. (2023). Integrating ecological knowledge into regenerative design: A rapid practice review. *Sustainability*, 15(17), 13271. <https://doi.org/10.3390/su151713271>
2. Thomson, G., Newman, P., Hes, D., Bennett, J., Taylor, M., & Johnstone, R. (2022). Nature-positive design and development: A case study on regenerating Black Cockatoo habitat in urban developments in Perth, Australia. *Urban Science*, 6(3), 47.
3. Hes, D., & Rose, N. (2019). Shifting from farming to tending the earth: A discussion paper. *Journal of Organics*, 6, 1.
4. Parris, K. M., Amati, M., Bekessy, S. A., Dagenais, D., Fryd, O., Hahs, A. K., ... Hes, D., ... & Williams, N. S. G. (2018). The seven lamps of planning for biodiversity in the city. *Cities*, 83, 44–53. <https://doi.org/10.1016/j.cities.2018.06.007>
5. Hes, D., Stephan, A., & Moosavi, S. (2018). The practice and outcomes of applying regenerative development to a 680ha project in Victoria, Australia. *Sustainability*, 10(2), 460–484.
6. Beer, T., & Hes, D. (2017). Sustainability in production: Exploring eco-creativity within the parameters of conventional theatre. *Behind the Scenes: Journal of Theatre Production Practice*, 1(1), 34–54.
7. Plaut, J., Dunbar, B., Gotthelf, H., & Hes, D. (2016). Regenerative development through LENSES with a case study of Seacombe West. *EDG*, 88, 1–16.
8. Lowe, M., Whitzman, C., Badland, H., Davern, M., Aye, L., Hes, D., Butterworth, I., & Giles-Corti, B. (2015). Planning healthy, liveable and sustainable cities: How can indicators inform policy? *Urban Policy and Research*, 33(2), 131–144.
9. Badland, H., Whitzman, C., Lowe, M., Davern, M., Aye, L., Butterworth, I., Hes, D., & Giles-Corti, B. (2014). Urban liveability: Emerging lessons from Australia for exploring the potential for indicators to measure the social determinants of health. *Social Science & Medicine*, 111, 64–73.
10. Zhang, X., Hes, D., Wu, Y., Hafkamp, W., Lu, W., Bayulken, B., Schnitzer, H., & Li, F. (2016). Catalyzing sustainable urban transformations towards smarter, healthier cities through urban ecological

infrastructure, regenerative development, eco towns and regional prosperity. *Journal of Cleaner Production*.

11. Hunter Block, A., Williams, N., Ryaner, J., Aye, L., & Hes, D. (2014). Quantifying the thermal performance of green façades: A critical review. *Ecological Engineering*, 63, 102–113.
12. Aye, L., & Hes, D. (2012). Green building rating system scores for building reuse. *Journal of Green Building*, 7(2), 105–112.
13. Newton, C., Wilks, S., Hes, D., Aibinu, A., Crawford, R., Goodwin, K., Jensen, C., Chambers, D., Chan, T., & Aye, L. (2012). More than a survey: An interdisciplinary post-occupancy tracking of BER schools. *Architectural Science Review*.
14. Hes, D. (2012). A practical guide to life cycle assessment of buildings. *EDG*, 72, 1–10.
15. Crabtree, L., & Hes, D. (2009). Sustainability uptake in housing in metropolitan Australia: An institutional problem, not a technological one. *Housing Studies*, 24(2), 203–224.
16. Wilks, S., Newton, C., & Hes, D. (2009). Educational buildings as 3D textbooks: Linking ecological sustainability, pedagogy and space. *Open House International*, 24(1), 17–25.
17. Hes, D. (2009). Once they have been there and have sat in it, they get it. *Critical and Creative Thinking*, 17(2), 77–92.
18. Wilks, S., & Hes, D. (2008). Immersion in school design: Educational outcomes of an innovative design studio. *Journal of Analytical Teaching*, 27(2), 3–13. Retrieved from <http://www.viterbo.edu/analytic/Vol.27%20no.2/Immersion%20in%20school%20Design.pdf>
19. Verghese, K., & Hes, D. (2007). Qualitative and quantitative tool development to support design decisions. *Journal of Cleaner Production*, 15(8–9), 814–818.
20. Hurlimann, A. C., Hes, D., Othman, M., & Grant, T. (2007). Charting a new course for water—Is black water reuse sustainable? *Water Science and Technology: Water Supply*, 7(5–6), 109–118.
21. Hes, D. (2007). Perspectives on the effectiveness of rating tools and their ability to support the development of a more sustainable city. *The International Journal of Environmental, Cultural, Economic and Social Sustainability*, 3(4), 143–152.
22. Hes, D., Walker-Morison, A., & Bates, M. (2005). CH2 materials selection. *Australian Journal of Construction Economics & Building*, 5(2).
23. Bates, M., & Hes, D. (2003). Concrete and sustainability: Supporting environmentally responsible decision making. *PRO31 The BDP Environment Design Guide*. RAIA.

### Refereed conference papers

1. Hes, D., Monty, J., Skidmore, G., & McGregor, L. (2022). Impact of existing building air-conditioning retrofit on cost, COVID-19 transmission and energy. *ASA December 2022*, 339–348.
2. Newman, P., & Hes, D. (2022). Net zero cities: Precinct by precinct. *ASA December 2022*, 441–450.
3. Ong, B. L., Hes, D., Aye, L., Fryd, O., & Tuan, D. N. (2019). Towards greater private sector uptake on urban greenery in Melbourne. Conference paper. Retrieved from <https://espace.curtin.edu.au/handle/20.500.11937/75642>
4. Zhou, J., Chau, H. W., Noguchi, N., Hes, D., & Aye, L. (2018). Comparing mixed flow and displacement ventilation in university classrooms. *Proceedings of ZEMCH 2018 International Conference*, The University of Melbourne, Melbourne, VIC, 263–273.
5. Hes, D., & Hernandez-Santin, C. (2018). Increasing the capacity for built environment students to connect community to decision making on space. In P. Rajagopalan (Ed.), *Engaging Architectural Science: Meeting the Challenges of Higher Density: 52nd International Conference of the Architectural Science Association 2018* (pp. 603–610). The Architectural Science Association and RMIT University, Australia.
6. Skillington, K., Crawford, R. H., & Hes, D. (2018). Towards an assessment framework for the environmental performance of alternative, multi-residential housing models. In P. Rajagopalan (Ed.), *Engaging Architectural Science: Meeting the Challenges of Higher Density: 52nd International Conference of the Architectural Science Association 2018* (pp. 347–353). The Architectural Science Association and RMIT University, Australia.
7. Hes, D., & Hernandez-Santin, C. (2018). A new model for place development: Bringing together regenerative and placemaking processes. *Proceedings of SASBE*, UTS Sydney, December 4–7, 315–324.
8. Allegretti, G., Hes, D., Klein, L., & Matos, L. (2018). Social values-based perspective on peer-to-peer energy sharing systems. *Proceedings of BEHAVE 2018 (5th European Conference on Behaviour and Energy Efficiency)*, Zurich, Switzerland, September 2018.



9. Zhou, J., Chau, H.-W., Kang, Y., Hes, D., Noguchi, M., & Aye, L. (2018). Comparing mixing ventilation and displacement ventilation in university classrooms. *Proceedings of Zero Energy Mass Custom Home 2018*, 263–274.
10. Hes, D., & Hernandez-Santin, C. (2017). Regenerative development: What is it, how does it support innovation in the built environment, and how can it lead to a sustainable and thriving future? *51st International Conference of the Architectural Science Association*, Marc Aurel Schnabel (Ed.), Wellington, NZ, December 1–5.
11. Zhou, J., Kang, Y., & Hes, D. (2017). Relationship between indoor and outdoor fluorescent biological aerosol particles. *51st International Conference of the Architectural Science Association*, Marc Aurel Schnabel (Ed.), Wellington, NZ, December 1–5.
12. Hes, D., Stephan, A., & Moosavi, S. (2017). Putting regenerative development into action. *World Sustainable Building Conference*, Hong Kong, June 2017.
13. Hes, D., Stephan, A., & Moosavi, S. (2016). Net regenerative regional development: Implementation in the master planning stage of a 680 hectares case study. In J. Zuo, L. Daniel, & V. Soebarto (Eds.), *Fifty years later: Revisiting the role of architectural science in design and practice: 50th International Conference of the Architectural Science Association* (pp. 1–7). Adelaide, Australia.
14. Doyon, A., & Hes, D. (2014). Positive buildings: An opportunity to increase resilience. *7th Making Cities Liveable Conference*, Kingscliff (NSW), July 10–11, 2014.
15. Hes, D., & du Plessis, C. (2014). What does built environment practice look like in the ecological worldview? *World Green Building Conference*, Barcelona, October 27–30, 2014.
16. Hes, D. (2013). Current sustainability: Are we trying to just be less bad? *People and the Planet 2013*, July 2–4, 2013, RMIT, Melbourne. (Published by Urban Futures; Routledge).
17. Hes, D., Livesley, S., Jensen, C., Aye, L., Williams, N. S., & Cadorel, X. (2012). Healthy cities, climate change, and the role of high albedo surfaces and green infrastructure. *The 5th Healthy Cities: Working Together to Achieve Liveable Cities Conference*, Geelong, June 6–8, 2012.
18. Hes, D., & Soccio, P. (2012). Developing the “knowing eye” in students: A visual literacy of architecture and sustainable building using school infrastructure. *AAEE National Conference*, Melbourne, October 1–4, 2012.
19. Howard, P., Gan, L., & Hes, D. (2011). How can we provide robust sustainable solutions for all climate zones that function well as learning spaces using prefabricated classrooms? *SB11 Peer-Reviewed Conference*, Helsinki, October 17–19, 2011.
20. Hes, D., Padovani, R., & Raj, A. (2011). Building satisfaction: Using thermal modeling to identify areas of building use focus for post-occupancy evaluation. *Building Simulation 2011 Australasian Conference*, Sydney, November 14–16, 2011.
21. Dawkins, A., Hes, D., & Aye, L. (2011). Linking field data of tree shade on walls to develop an effective predictive model in IES for the energy benefits of trees. *Building Simulation 2011 Australasian Conference*, Sydney, November 14–16, 2011.
22. Livesley, S., Caffin, M., Dawkins, A., Aye, L., & Hes, D. (2011). Effect of vegetation around buildings on space conditioning energy and water consumption. *SB11 Peer-Reviewed Conference*, Helsinki, October 17–19, 2011.
23. Hes, D. (2011). Beyond sustainability: The importance of thinking beyond efficiency-based initiatives in buildings. *SB11 Peer-Reviewed Conference*, Helsinki, October 17–19, 2011.
24. Hes, D., & Howard, P. (2010). Using construction of school buildings as a novel approach to teach about sustainability. *AUBEA 2010 Proceedings*, July 14–16, 2010, Melbourne, A080, 1–17.
25. Padovani, R., Jensen, C., & Hes, D. (2010). Approach to thermal modeling innovative green building elements: Green roof and phase change plasterboard. *AUBEA 2010 Proceedings*, July 14–16, 2010, Melbourne, A080, 1–13.
26. Wilks, S., & Hes, D. (2009). The educational green: Researching ways of combining professions. *Art and Design Research Centre Undisciplined! Proceedings of the Design Research Society Conference 2008*, Sheffield Hallam University.
27. Owen, C. M., & Hes, D. (2009). Regenerative design: Negotiating the culture-nature divide. *AASA 2009 Sustainable Theory - Theorizing Sustainability Conference*, Wellington, NZ, September 4–5, 2009.
28. O’Brien, D., Iftekhar, A., & Hes, D. (2008). Housing reconstruction in Aceh: Relationships between house type and environmental sustainability. *Building Abroad: Procurement of Construction and Reconstruction Projects in the International Context Conference Proceedings*, Montreal, October 2008, 361–370.

29. Howard, P., Hes, D., & Owen, C. (2008). Exploring regenerative design opportunities in ecotourism projects on Torres Strait Islands. *SB08 International Sustainable Building Conference*, Melbourne, September 21–25, 2008, 145–153.
30. Hes, D. (2008). Ecotourism certification tools: What is their role now and in the future? *SB08 International Sustainable Building Conference*, Melbourne, September 21–25, 2008, 298–306.
31. Hes, D. (2008). Water and energy opportunities for semi-decentralized water reuse and power production in high-density areas. *SB08 International Sustainable Building Conference*, Melbourne, September 21–25, 2008, 471–479.
32. O'Brien, D. J., & Hes, D. (2007). The third way: Developing low environmental impact housing prototypes for hot/humid climates. *XXXV IAHS World Congress on Housing Science*, Melbourne, Australia.
33. Owen, C., & Hes, D. (2007). Ecotourism in the architectural imagination. *Gazing, Glancing, Glimpsing: Tourists and Tourism in a Visual World Conference Proceedings*, Eastbourne, UK, June 13–15, 2007.
34. Hurlimann, A. C., Hes, D., Othman, M., & Grant, T. (2007). Charting a new course for water: Is blackwater reuse sustainable? *4th IWA Specialist Conference on Efficient Use and Management of Urban Water Supply*, Jeju Island, Korea, May 21–23, 2007, 607–617.
35. Hes, D. (2006). EcoHome: Reflection on research outcomes in light of initial research grant intentions – A multidisciplinary approach to complex housing sustainability issues. *Australasian Housing Researchers Conference Proceedings*, Adelaide, June 19–21, 2006.
36. Hes, D. (2005). Sustainable building: Turning observation into practice. *International Conference on Sustainable Building (SB05) Proceedings*. Tokyo: Institute of International Harmonization for Building and Housing.
37. Hes, D., & Bayudi, R. (2005). Council House 2 (CH2), Melbourne CBD: A green building showcase in the making. *Sustainable Building South-East Asia (SB04 Series) Proceedings*. Johor: CIB and Construction Technology Management Centre University Teknologi Malaysia.
38. Hes, D. (2005). Facilitating green innovation in the built environment through reflective practice. *SB05 Conference Proceedings*. Tokyo: Japan.
39. Hes, D. (2004). Re-imagining the Australian suburb: A collaborative transdisciplinary research project. *19th EAROPH World Planning and Housing Congress and National Housing Conference Proceedings*. Retrieved from [RMIT University](http://www.rmit.edu.au).
40. Hes, D., & James, K. (2004). Tools used at the Centre for Design to inform design: Case studies illustrating the development of qualitative to quantitative tools used to support decision-making. *Environmentally Friendly Product Development Symposium Proceedings*. Darmstadt University.
41. Hes, D. (2004). Facilitating sustainable building: Turning observation into practice. In S. Holdsworth & T. Caswell (Eds.), *Protecting the Future: Global Sustainability in Practice at RMIT University* (pp. 137–158). Melbourne: CSIRO.
42. Hes, D. (2003). Critical information requirements to support "green" building projects. In J. Yang, P. S. Brandon, & A. C. Sidwell (Eds.), *CIB Conference on Smart and Sustainable Built Environment (SASBE 2003) Proceedings*. Brisbane: Queensland University of Technology.
43. Hes, D. (2003). The impact of a dominant culture on the "greenness" of the built environment: A response using a case study. *28th Annual AUBEA Conference Proceedings*. Geelong: Australasian Universities Building Educators Association.
44. Graham, P. M., Coutts, G. P. L., & Hes, D. (2003). What the process of delivering 'sustainable building' can teach us about construction management education. *Smart and Sustainable Built Environment (SASBE 2003) Proceedings*. Brisbane: Queensland University of Technology.
45. Sibley, J., Hes, D., & Martin, F. (2003). A triple helix approach: An interdisciplinary approach to research into sustainability in outer-suburban housing estates. *Methodologies in Housing Research Conference Proceedings*, Stockholm: The International Association of People-Environment Studies (IAPS).
46. Hes, D., & Grant, T. (2002). Possible roles for environmental life cycle assessment in building specification. *ICEC Conference Proceedings*. Melbourne: International Cost Engineering Council.
47. Hes, D. (2001). Triple bottom line approach to capital building works: A pilot case for a municipal council in Australia. *7th European Roundtable on Cleaner Production Proceedings*. Lund: IIIIE.
48. Hes, D., & Lenihan, D. (2002). Sustainability and curriculum design. *AUBEA 27th International Conference Proceedings*. Queenstown: Australasian Universities Building Educators Association.
49. Hynes, L., & Hes, D. (2002). Sustainable capital works at the City of Darebin. *International Local Agenda 21 Conference Proceedings*. Retrieved from [Regional Institute Online](http://www.regionalinstituteonline.com).

50. Hes, D. (2001). Developing and applying LCA in the Australian building industry: The use of LCAid. *NABH Conference Proceedings*, Baltimore, April 21–22, 2001.
51. Hes, D., & Gertsakis, J. (2001). The EcoReDesign™2 program: An introduction. *EcoDesign for Profit Conference Proceedings*. Sheffield University.
52. Hes, D., & Gertsakis, J. (2001). Re-defining sustainable furniture: Outcomes from the EcoReDesign™2 program. *EcoDesign for Profit Conference Proceedings*. Sheffield University.

## 12 Reports to Government and NGOs that are publicly available

Beer, T.; Hernandez-Santin, C.; Cumpston, Z.; Khan, R.; Mata, L.; Parris, K.; Renowden, C.; Iampolski, R.; Hes, D.; & Vogel, D. (2019) The living pavilion research report. The University of Melbourne, Victoria, Australia. Online <https://nespurban.edu.au/wp-content/uploads/2020/02/The-Living-Pavilion-Report.pdf> (accessed 26/10/2020).

Horne, R.E.; Hayles C.S.; Hes, D.; Jensen, C.; Opray, L.; Wakefield, R.; & Wasiluk, K. (2005) International comparison of building energy performance standards, report prepared for the Australian Greenhouse Office, Department of Environment and Heritage.

## Money – awarded

Project ID	Chief Investigator Name/s	Amount funded	Years
MYER placemaking capacity building	Hes	\$940,000	2017-2019
Thrive Research Hub	Hes, Crawford, Stephan, Cadorel, Warren-Myers, Doloi, Cameron, Jensen	\$621,000	2016-2019
Sensors – monitoring indoor environment quality, building performance	Hes, Burry, White, Roudavski,	\$262,278	2016
Philanthropy – running wild, living well apartments and heat stress, positive legacy award, Ecological survey of a 26 home development site	Hes	\$10,000, \$10,000, \$5,000, \$8,000	2016
LP100100296 – Task air and indoor comfort	Hes; Drake; Melikov	\$80,007	2010 – 2015
LP0991146 – future proofing schools	Newton; Kvan; Hes; Fisher; Grose; Wilks	\$470,000	2009 – 2012
LP0776850 – smart green schools	Newton; Hes; Wilks; Dovey; Fisher	\$340,000	2007 – 2011
CCIF – net positive social and environmental development	Hes, Aye, Crawford, Stephan	\$43,200	2016
White roofs guidelines for the City of Melbourne	Hes	\$23,000	2011
Sustainability requirements in builder registration – Vic Gov	Hes	\$17,000	2010
Your Building–peer review of content – Feb Gov	Hes	\$30,000	2007
ESD Operations guide: Office and Public Buildings – Fed Gov	Hes	\$35,000	2007-2009
Teaching and learning grants – several	Hes and others	\$15,000	2011-2013

## Award Jury Participation

Lord Mayors Charitable Foundation 2020-2022 – environment grants committee

Banksia award judge 2005-2024 - The Banksia Environmental Awards are regarded as the most prestigious environmental awards in Australia.

FMA awards judge two categories 2016



IDEA awards (The (inside) Design Excellence Awards) 2006 and 2007 sustainable project category guest judge - IDEA is a celebration of Australian design at its best and is a highly recognised forum for professional designers and design students to present their finest projects visually.

Premiers(Vic) award judge for educational building design 2010

HIA (National) awards judge for green smart design 2009