Weir, Ian (2005) Camera Botanica 2. [Creative Work]

Copyright 2005 Ian Weir
### Output Information

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<th>Name of Output</th>
<th>Camera Botanica 2</th>
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### Research Component (250 words max)

#### Research Background
International research in the field of ecologically sustainable architectural design has identified the lack of efficacy of conventional design methodologies with regards to the realisation of sustainable architecture sited in biologically diverse landscapes. The author’s research has identified and tested a novel design method for domestic architecture using a case study site in Southern Western Australia which is both highly biodiverse and bushfire prone.

#### Research Contribution
The design outcome, *Camera Botanica 2*, presents a model for reconciling the two (otherwise) opposing management goals of biodiversity conservation and bushfire safety. This approach is in itself a significant contribution to the discipline. The research tested a novel design methodology wherein the designer conducts his/her own site measurements using new surveying technologies. This is the first time, internationally, that terrestrial laser scanning was used to survey vegetation. The research expands knowledge on the applicability of new technologies to the design process, and demonstrates the efficacy of that process for the realisation of ecologically sustainable architecture.

#### Research Significance
The significance of the research lays in its demonstration of the applicability of a new design methodology to the problem of reconciling biodiversity conservation and bushfire safety. Its impact is evidenced by its inclusion in: solo exhibition at Cullity Gallery, WA (2005); Paper presented at the International Federation of Landscape Architects conference (2006); publication in ’Contexts of Architecture: the 38th Annual Conference of ANZAScA (2004); Guest lectures at the University of Melbourne (2009), State Library of Queensland (2008), Art Gallery of Western Australia, (2009).

### Additional Information (optional)

<table>
<thead>
<tr>
<th>Copyright holder(s)</th>
<th>Ian Weir</th>
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| Related Web Pages        | http://www.ianweirarchitect.com  
| Other                    | Invited presentations  
*Fireproof architecture*, ‘Thing’ floor talks, Art Gallery of Western Australia, May 17, 2009  
*Bushfire Responsive architecture: reconciling bushfire with biodiversity and daily life*, James Hardie Theatre, University of Melbourne, September 10, 2009 |
Model of Camera Botanica 2
Ian Weir (2005)
Paper, card and balsa wood, 59.4 cm x 42 cm
In-situ mock up of Camera Botanica 2 (Point Henry, Western Australia)
Ian Weir (2005)
Cold rolled steel, string and steel pickets, 40 m x 10 m x 4 m high.
Site plan of Camera Botanica 2
Ian Weir (2005)
Digital Print, 84 cm x 59.4 cm.