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### Consequences of connecting human tribal behaviour to the internet

Human organizational tribal social structures have developed over 150,000 years of human evolution. The results is a nested hierarchical set of sub-organizational groupings, consisting of family groups at the base, social, religious and activity groupings all functioning within an overlaid governance structure with an elder acting as a leader overseeing the behavior of all the subgroups. The tribal structure provides a reference point for individual norms, as a ladder to advance and learn new skills and most importantly, it provided the organizational response structure against real and or perceived external threats. Advances in communication technologies provided the impetus organizational adaption; first individual to individual communications via intuition, then gestures, languages, writing, mail, telephone, telex, emails then it became non specific via websites and social media. Communication is now global via the cloud. This has cut the two way communication within the human tribal structures which we hypothesise may account for our society's woes with depression and narcissism. Block-chain technology is returning individual's identities, by removed the need for intermediaries and permanent connections online. The identity, however, is in a global context. In this talk I explore the consequences of breaking the traditional connections that humans had developed through using our eyes, smell, hearing and touch and replacing these connections with a global connectivity. Taking the past response of indigenous people when overrun by invaders, the business as usual scenario, will likely bring a huge increase in mental illness. To insure against this possibility it is essential that humans adjust their tribal way of operating. The tools to cycle back to tribal connections in a global space are at hand and only involve some straight forward engineering infrastructure adjustments, changes in our education curricula and a willingness to accept that the world is now finite.

### Biography

Jörg Imberger received his PhD from UCB and became Australia's Youngest Full Professor at 35. His research interest are in environmental engineering as applied to rivers, lakes, estuaries and coastal seas. Recent foci include strategies for sustaining functionality of aquatic systems in a changing world. He is a Fellow of 10 international academies and the recipient of 30 major honours including the Onassis International Prize, the Stockholm Water Prize and Member of the order of Australia. He has published five books, with two in preparation, contributed to 19 books and has published 251 journals papers. Google Scholar credits him with 18,530 citations and an h-Index of 62.

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