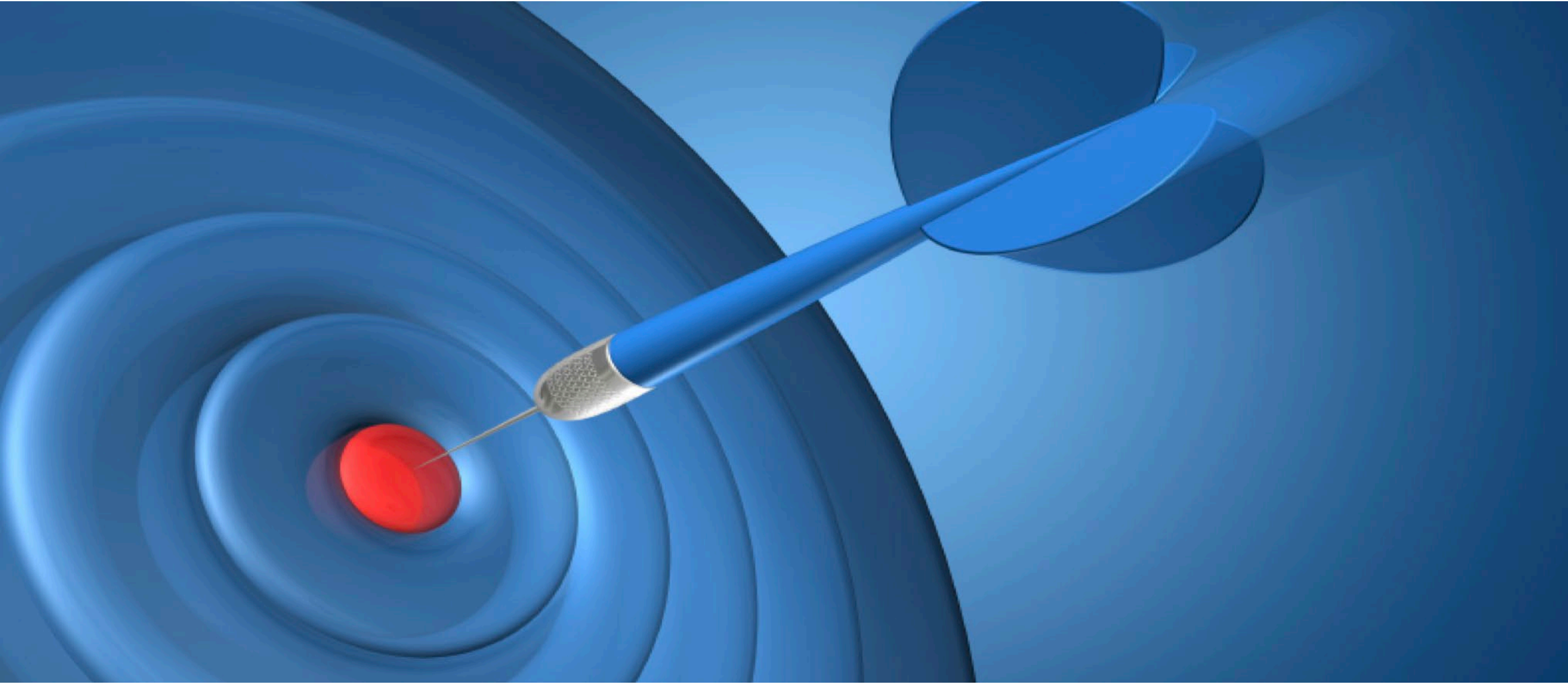




**Ramiro Jordan – Nov. 13, 2018**

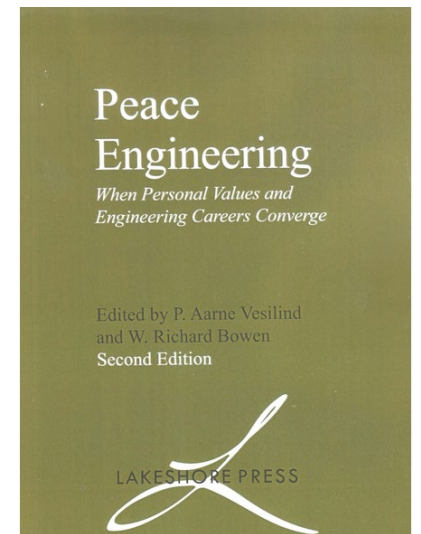


# What is Peace Engineering?





# What is Peace engineering?



## Peace Engineering by Professor W. Richard Bowen, FREng



Peace is characterised by relationships between individuals, and social groupings of all sizes, based on honesty, fairness, openness and goodwill. Peace provides the conditions for real human flourishing. It is much more than the absence of conflict, much more than the avoidance of war. Crucially, peace is an *activity* that requires continuous commitment and imaginative input. [Read more](#)



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# What is Peace engineering?



We (Ramiro Jordan, Kamil Agi, Elsie Maio, Indira Nair, Donna Koechner, Derrick Ballard) define *Peace Engineering* as the intentional application of systemic-level thinking of science and engineering principles to directly promote and support conditions for peace. *Peace Engineering* works directly towards a world where prosperity, sustainability, social equity, entrepreneurship, transparency, community voice and engagement, and a culture of quality thrive. Engineers have the power to play a vital role in the creative solutions that can radically transform and improve the wellbeing of people and other living systems, day to day.



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# What is Peace engineering?

A trans-disciplinary emerging field integrating

- STEM + Arts
- Social and financial sciences
- Leadership (social, business)
- Innovation, creativity
- Entrepreneurship (social, business)
- Trust, accountability
- Social justice, social responsibility
- Diversity
- [And You](#)

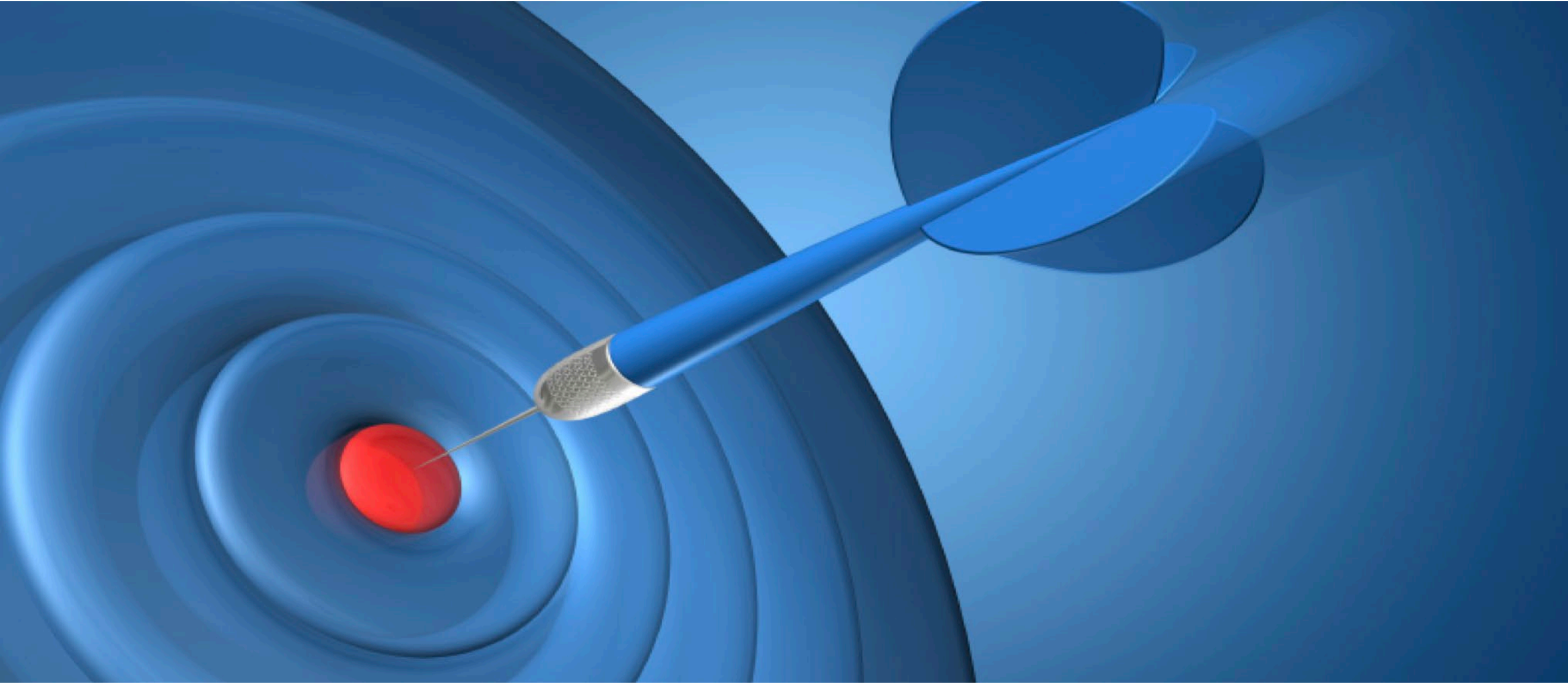
**Help us define  
Peace Engineering!!!!**

**It is a way of life!!!!!!!**



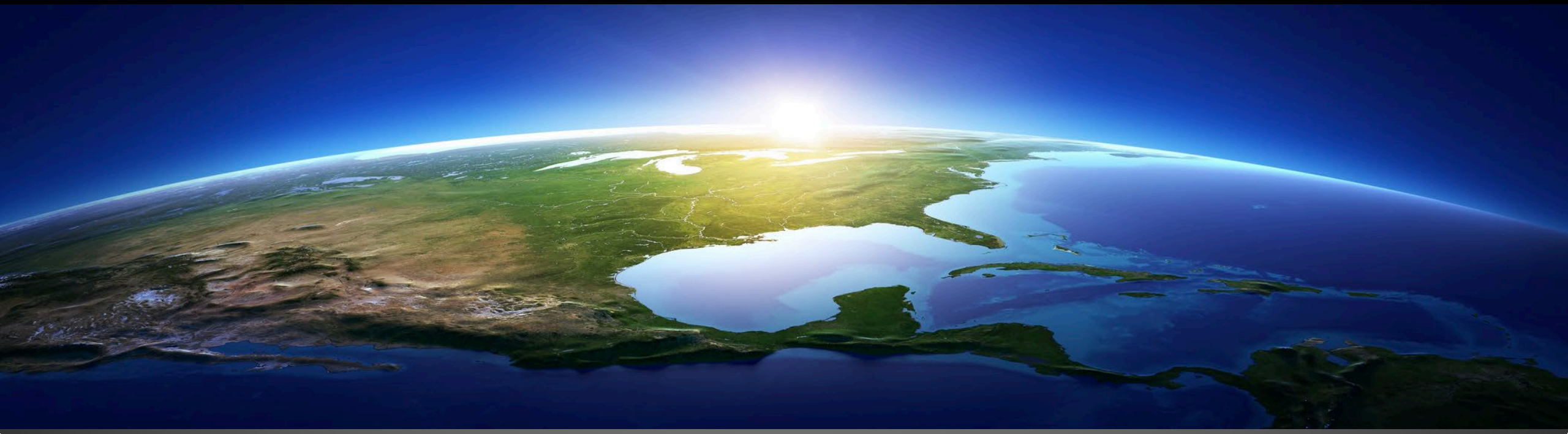
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# Challenges



**“One planet, one environment,  
one chance”**

**(ISTEC GA – 1992 R. Jordan)**



UNITED NATIONS  
**PARIS CLIMATE  
AGREEMENT**  
SIGNING CEREMONY  
— 22 APRIL 2016 —



# Air quality

*Porto Alegre?*  
*Albuquerque?*  
*Beijing?*  
*Mexico City?*  
*Medellin?*  
*Los Angeles?*  
*New Delhi?*





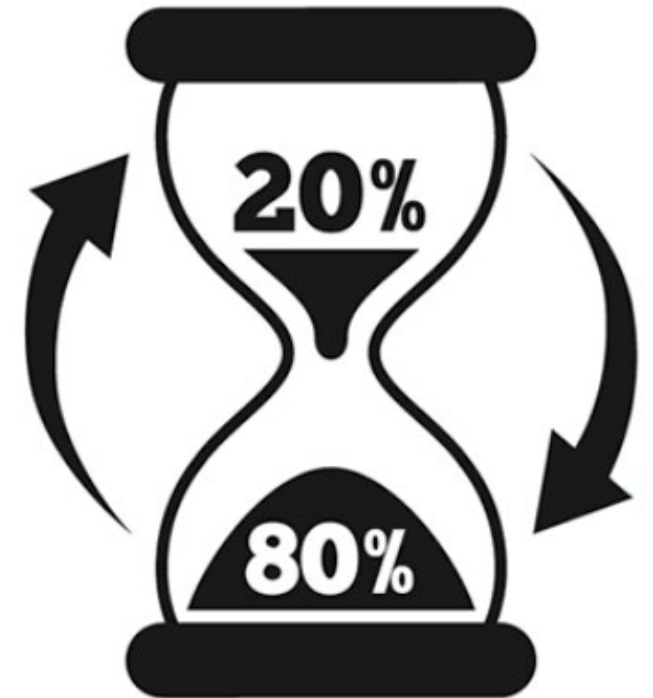
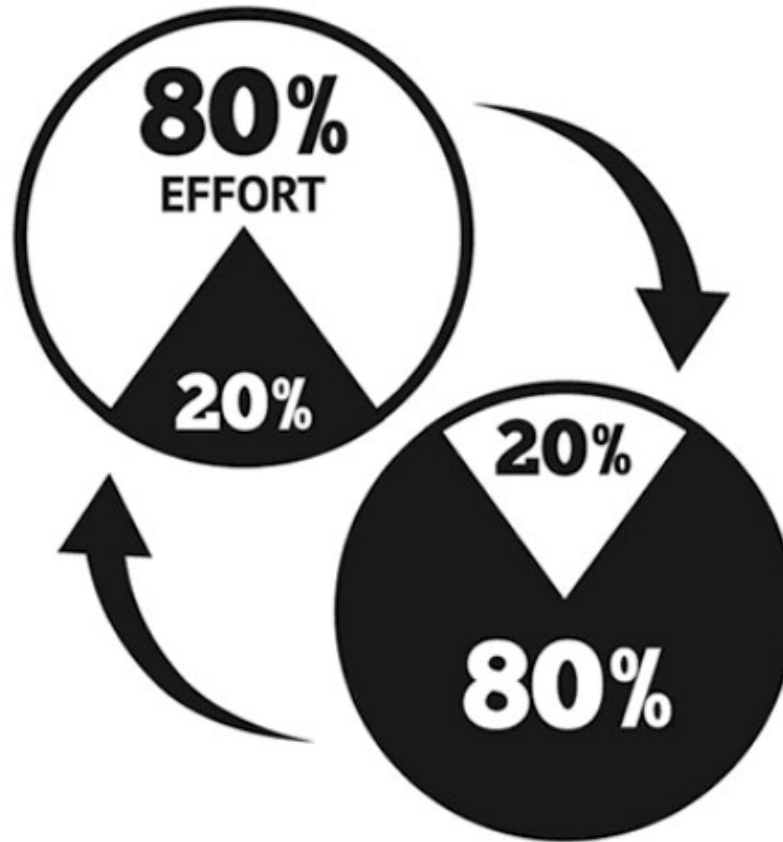


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# Challenges

Engineering  
for whom?

Pareto  
principle,  
80/20 rule





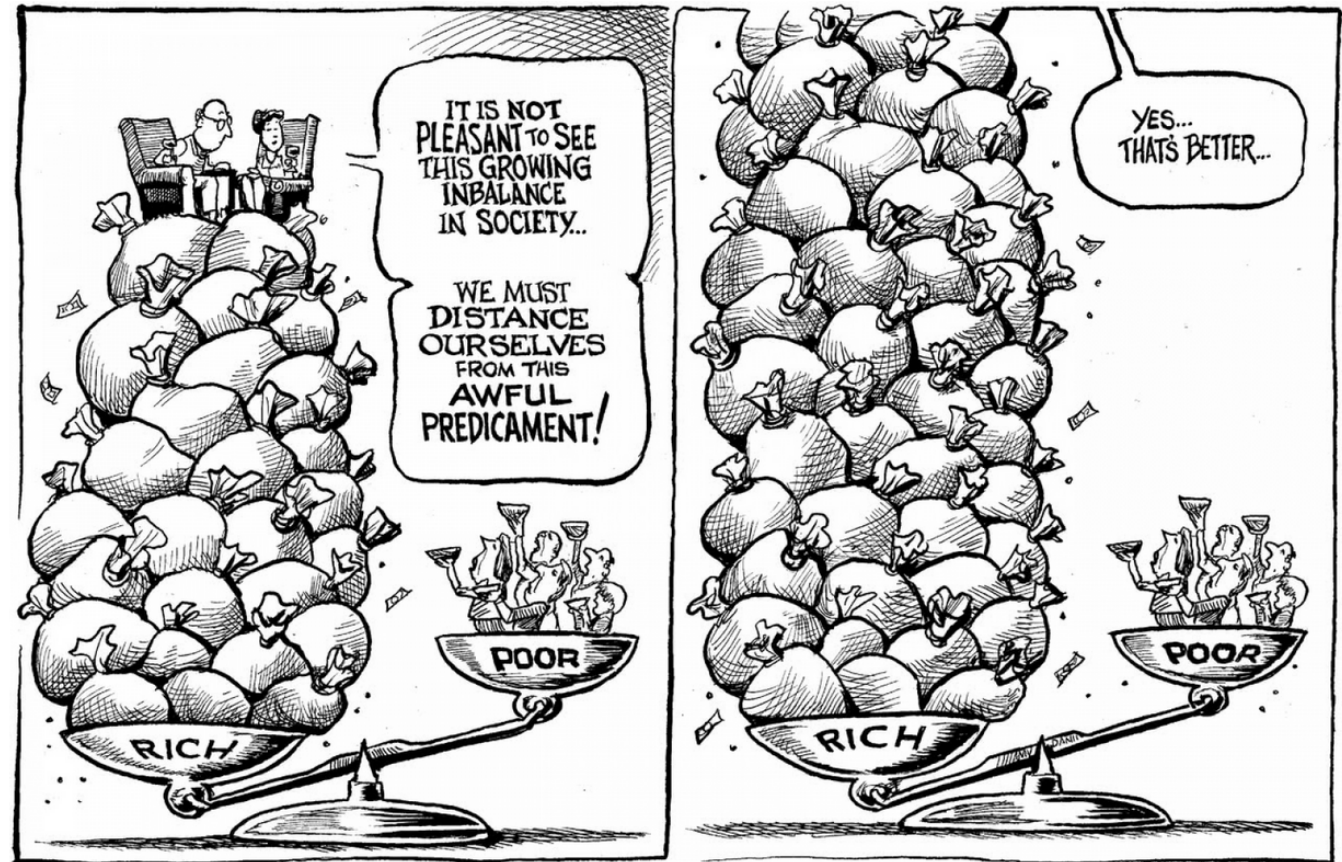
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# Challenges

## KAL's cartoon

Engineering  
for whom?

Pareto  
principle,  
80/20 rule

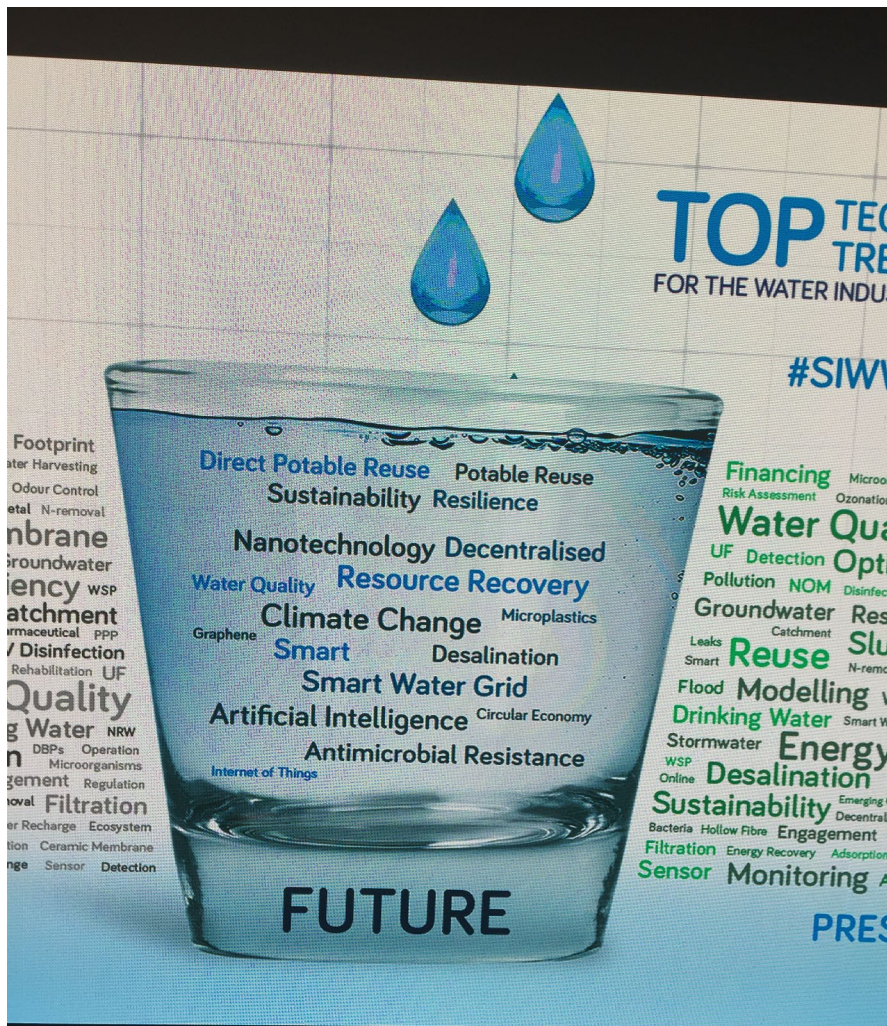




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# Challenges

Water



Resources

Energy