

Robots, Democracy, & Climate Change

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Is
Water Diplomacy
Only About Conflict?

“Democratic Professionalism”

A. W. Dzur, *Democratic professionalism: citizen participation and the reconstruction of professional ethics, identity, and practice.*

University Park, Pa: Pennsylvania State University Press, 2008.

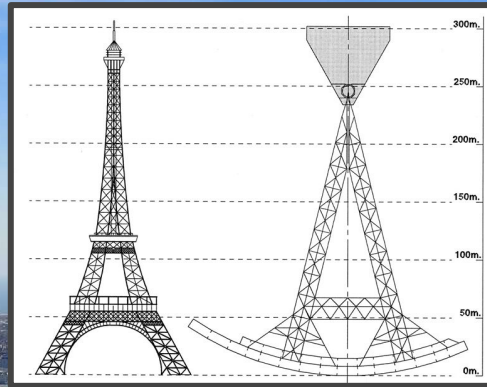
Technology

compatible with

inclusive, democratic, discursive

resource management

maeslantkering





Courtesy <http://nj.com>



Courtesy <http://www.ecoexch.com>



semi-autonomous
infrastructure

Courtesy: <http://www.rubiconwater.com.au>

DELIBERATION

coming to the table

through demonstrable opportunities to achieve a broad class of desirable outcomes.
(Robots must communicate their performance in quantitative and qualitative terms.)

COOPERATION

coming to agreement

through the accommodation of divergent interests and speculations about the future.
(Robots must accommodate multiple objectives simultaneously and have demonstrable flexibility and adaptive capacity to perform well under alternative futures.)

COLLABORATION

coming to partnership

through demonstrable opportunities to create value at scale
(Robots must on the same hydraulic network must coordinate with one another in order to realize opportunities for creating value at scale.)

THE COMMUNICATION PROBLEM

ROBOTS HAVE A LIMITED INTRINSIC
ABILITY TO COMMUNICATE IN BOTH A
QUANTITATIVE AND QUALITATIVE
CAPACITY

THE FLEXIBILITY PROBLEM

THE CONFIGURATION OF A HYDRAULIC NETWORK AND ITS USE CASES PUT HARD LIMITS ON THE PRACTICAL ADAPTIVE CAPACITY OF AN AUTONOMOUS SYSTEM

THE COORDINATION PROBLEM

TO CREATE VALUE AT SCALE IT IS
NECESSARY TO HARMONIZE THE ACTIONS
OF MANY INDEPENDENT AGENTS
PURSUING DIFFERENT OBJECTIVES ON THE
SAME HYDRAULIC NETWORK

don't wait for **conflict** to
put the lessons you have learned
from water diplomacy **theory**
into **practice**

Thank you!



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