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GOVERNANCE FRONTIERS











LAND AND WATER GOVERNANCE

IN URBAN REGIONS



vertical

vertical frontier

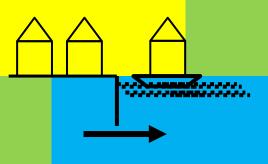




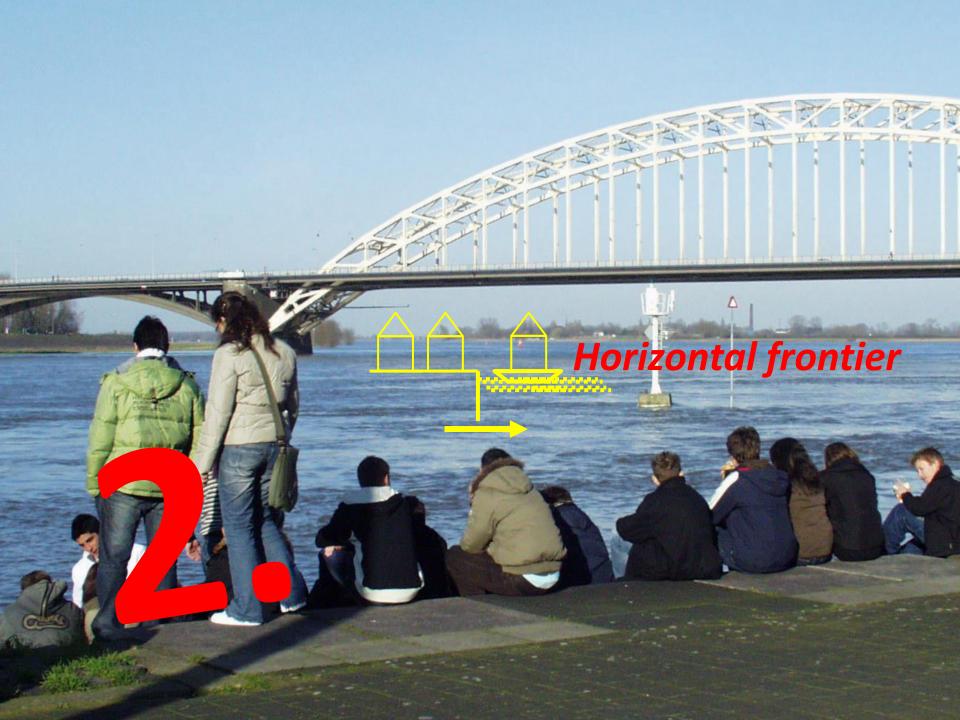


horizontal

horizontal



2.

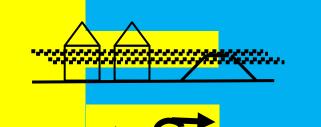






fluid

fluid 3



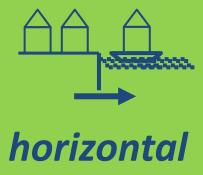


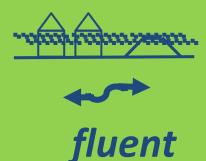




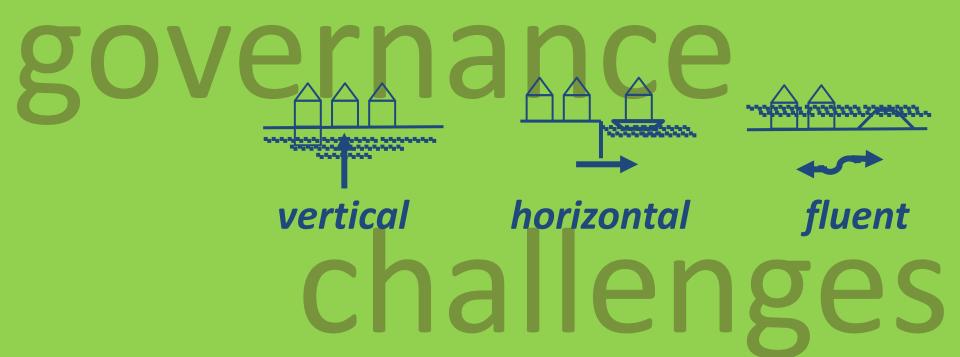












governance

challenges

governance

legitimacy

effectiveness

efficiency

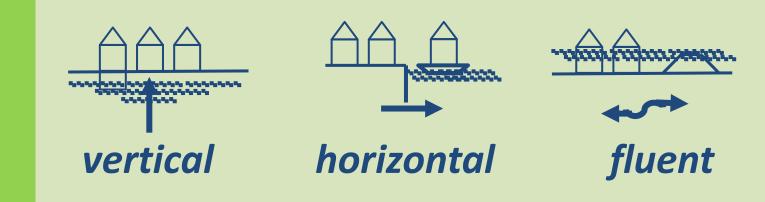
fairness

DECISION MAKING

INSTITUTIONS

TIME PERSPECTIVE

WINNERS & LOSERS



effectiveness

efficiency

fairness



knowledge on long term and invisible interconnections (expertism)

effectiveness

municipal governance vs. integrated regional approach (appropriate scale)

efficiency

causes and effects are not obvious; long term externalities (long term)

fairness



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fairness

externalities can appear timely and spatially remote (liability problem)



norms, values and rationalities shape decision-making (direct consent)

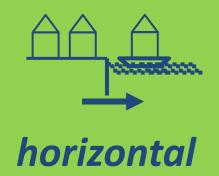
effectiveness

project-driven implementation,
public & private stakeholders

efficiency

high socio-economic dynamics (short term)

fairness



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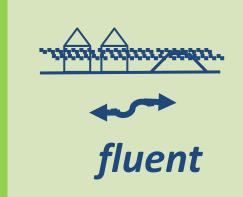
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spatially **disconnected** problem areas (downstream) and solution areas (upstream)

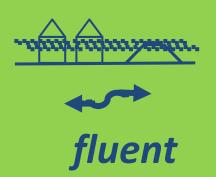
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complex, large scale, trans-boundary institutions (transboundary)

efficiency

measures upstream affect efficiency downstream (risk driven)

fairness



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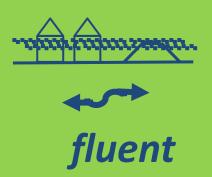
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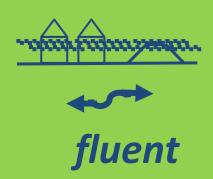
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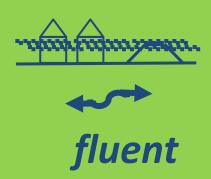
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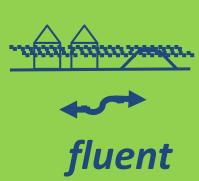
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fairness







expertism

direct consent

disconnected

effectiveness

appropriate scale

project-driven

transboundary

efficiency

long term

short term

risk driven

liability problem

balancing

Pareto decisions

fairness



