

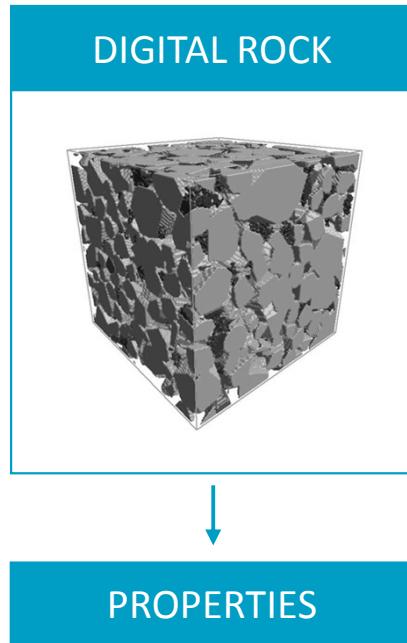
9th Euroconference on
Rock Physics and Geomechanics

Trondheim, Norway
17 – 21 October 2011

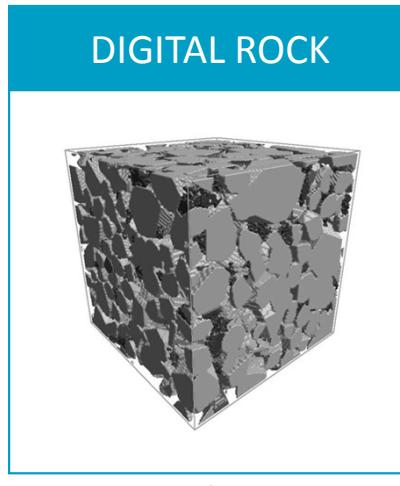
Pore-scale modelling of macroscopic rock properties

Cathrine Ringstad
Pål-Eric Øren
Thomas Ramstad

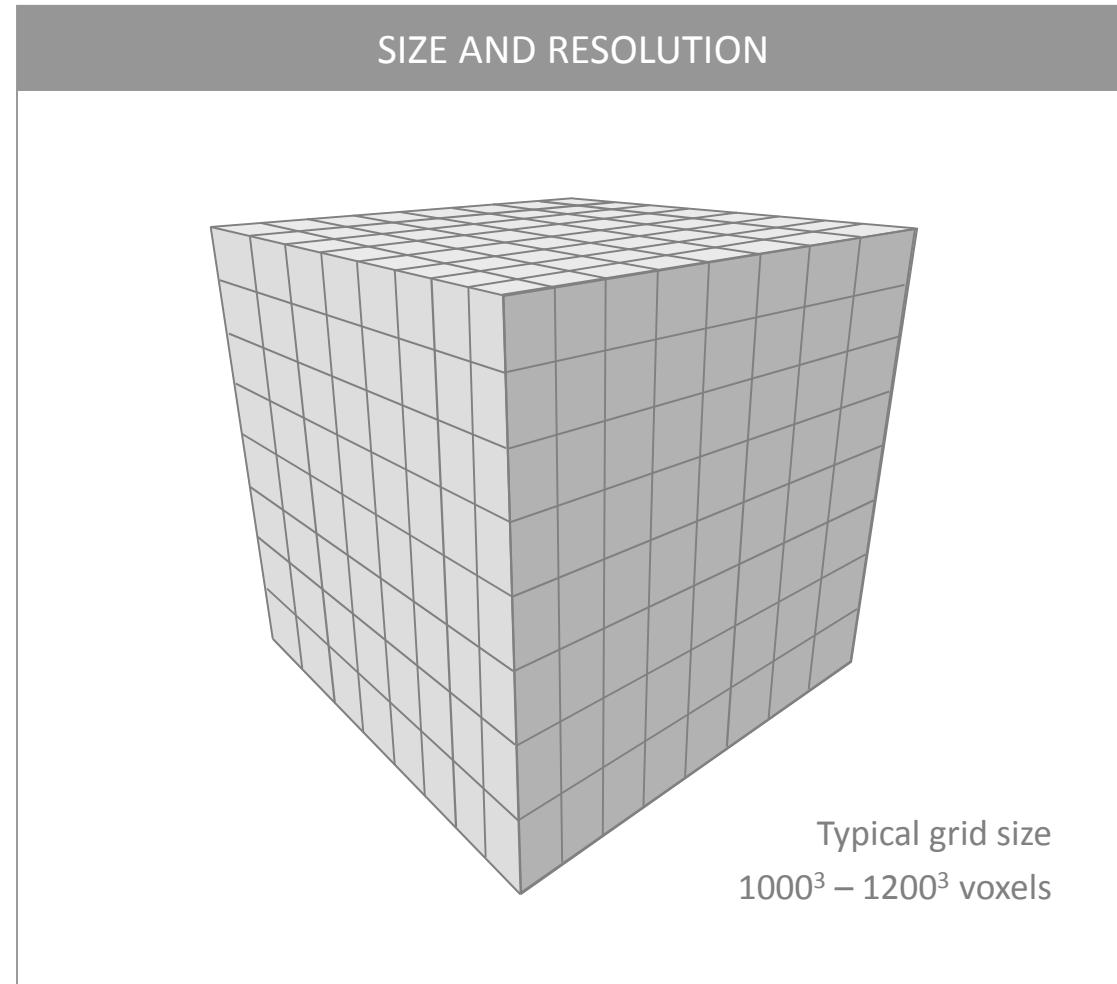
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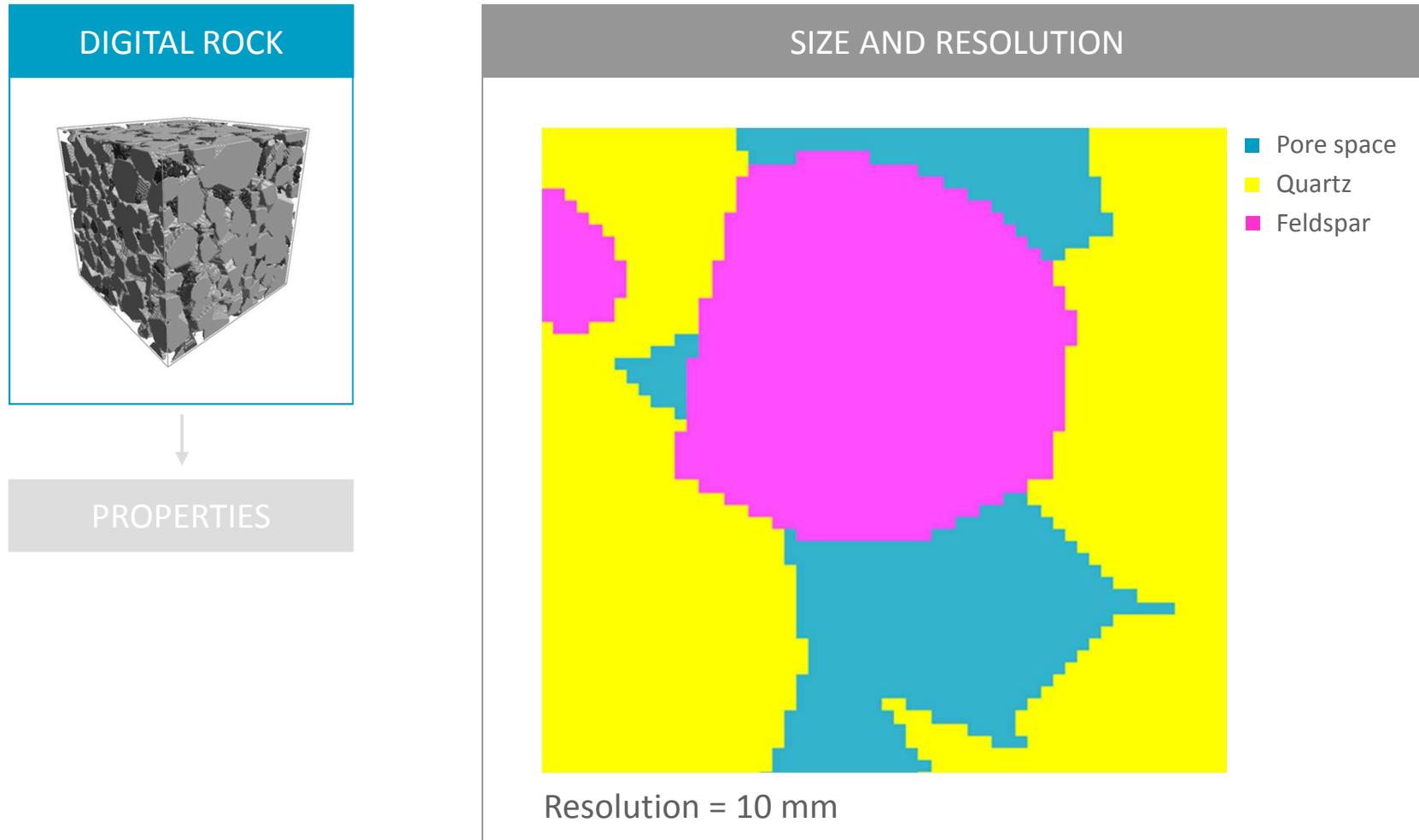
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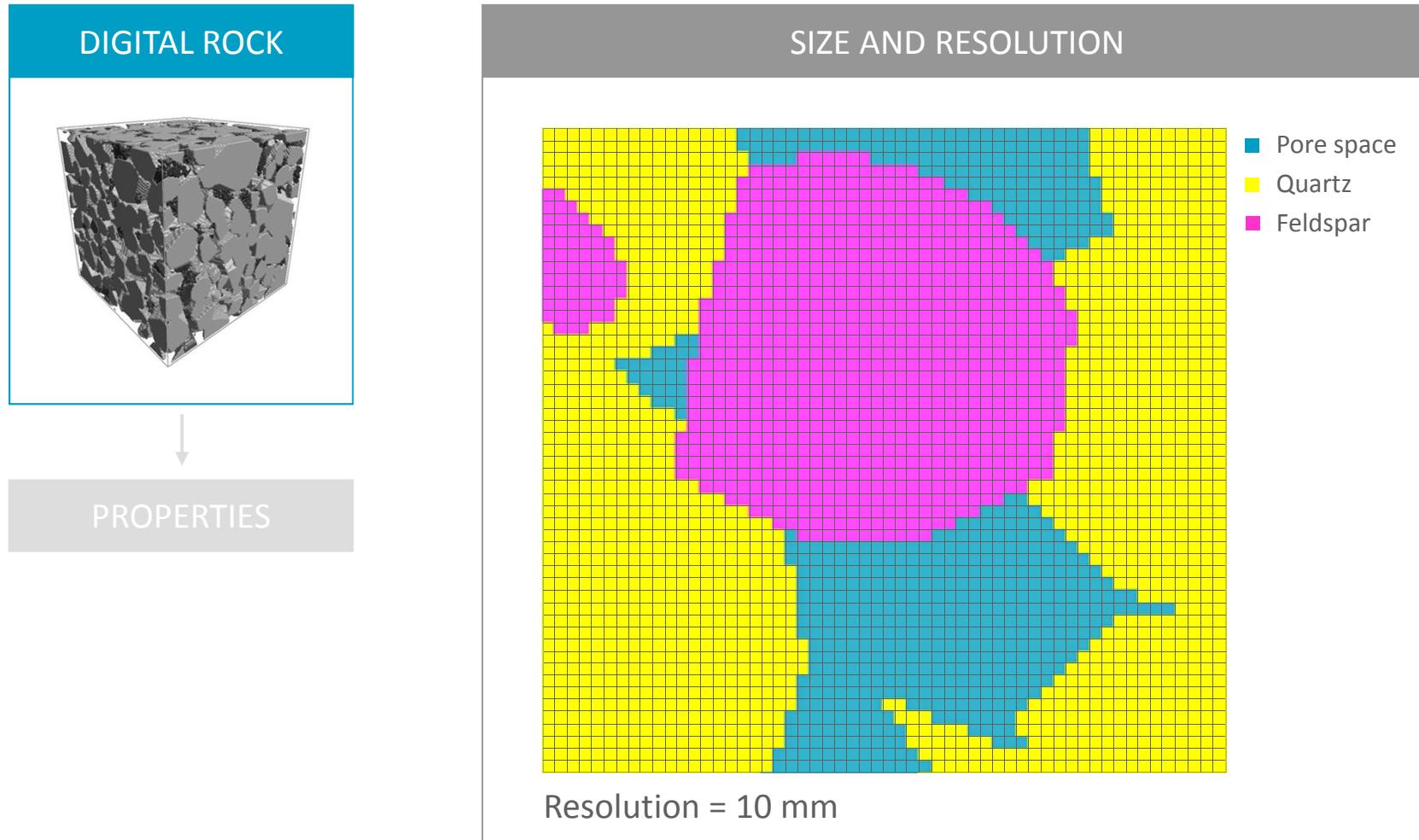
PROPERTIES



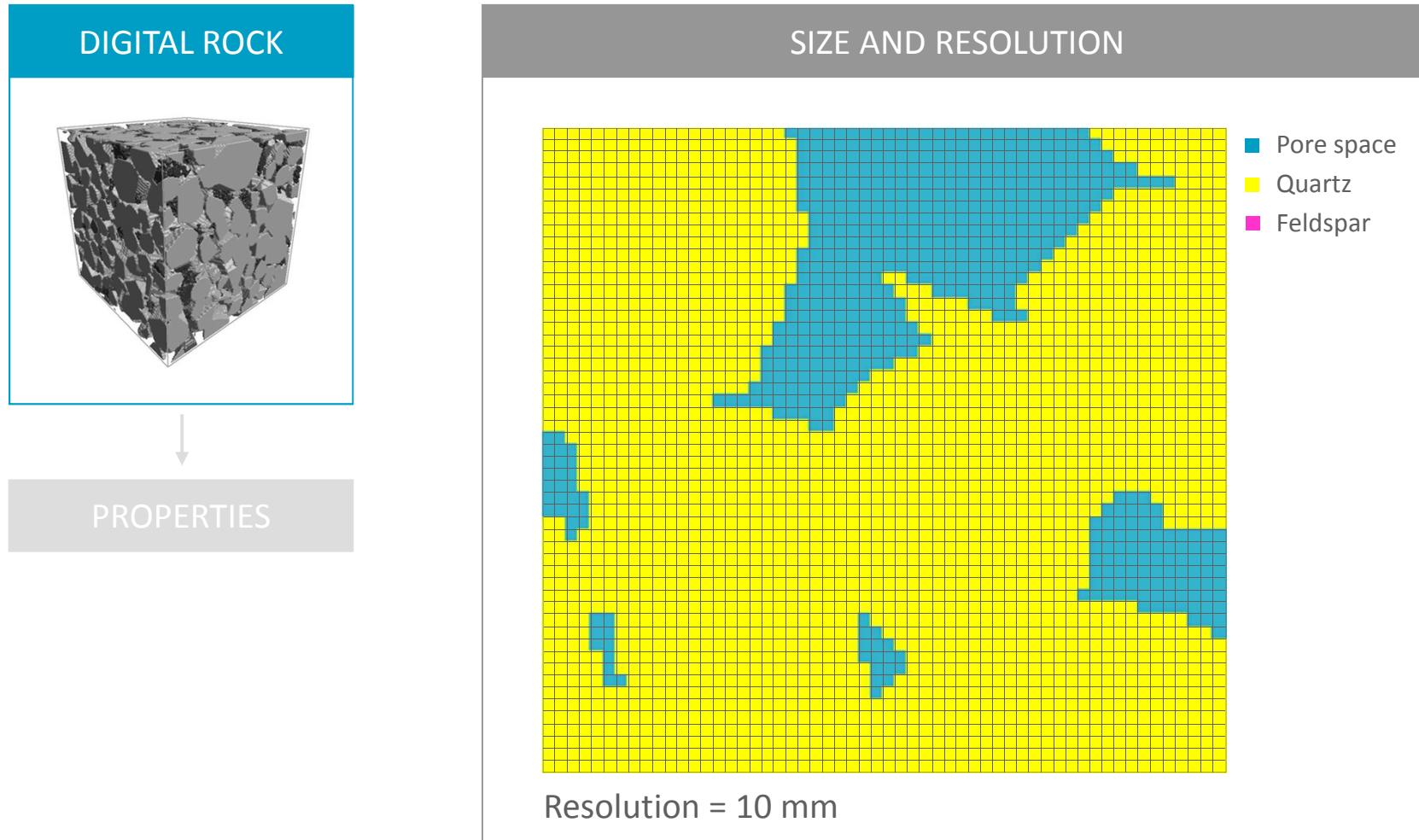
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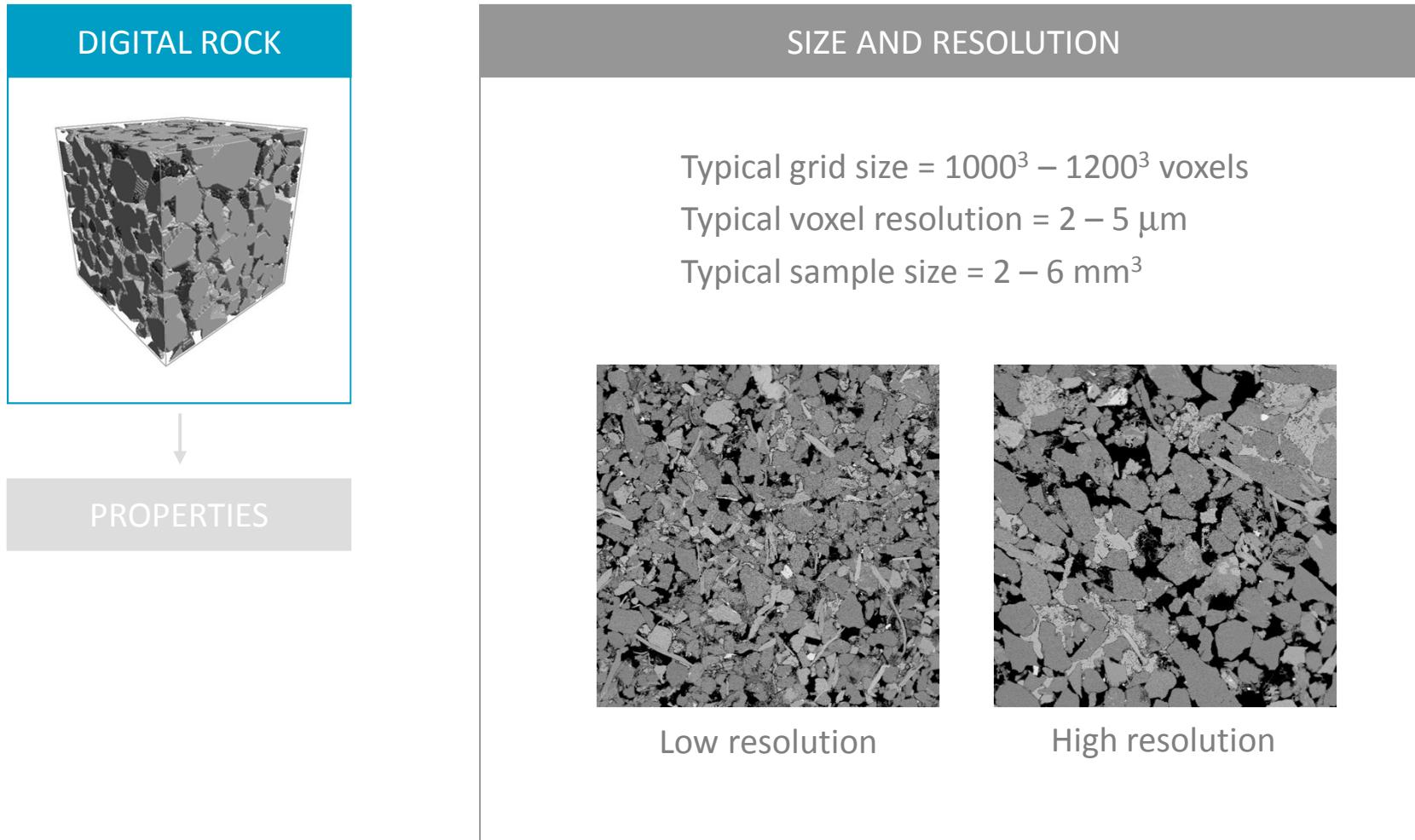
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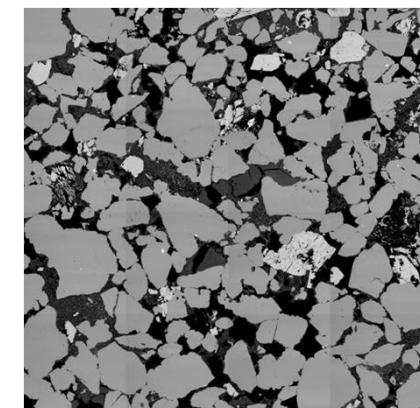
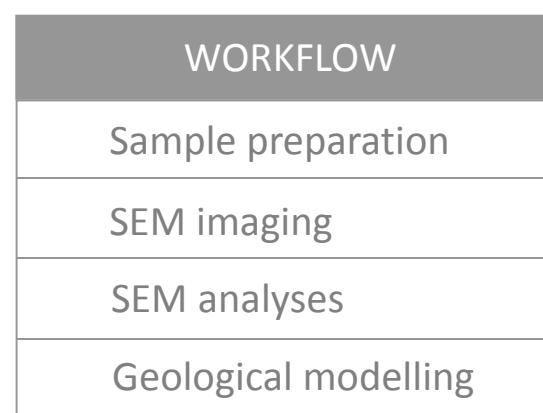
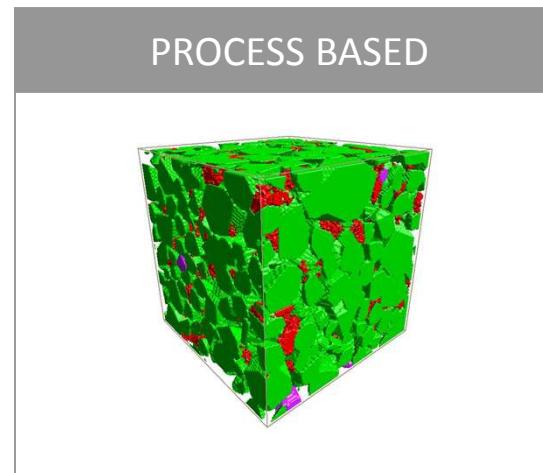
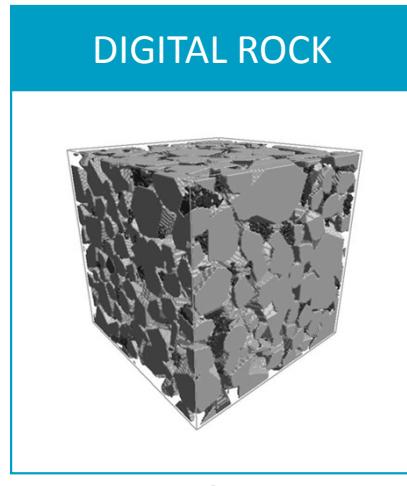
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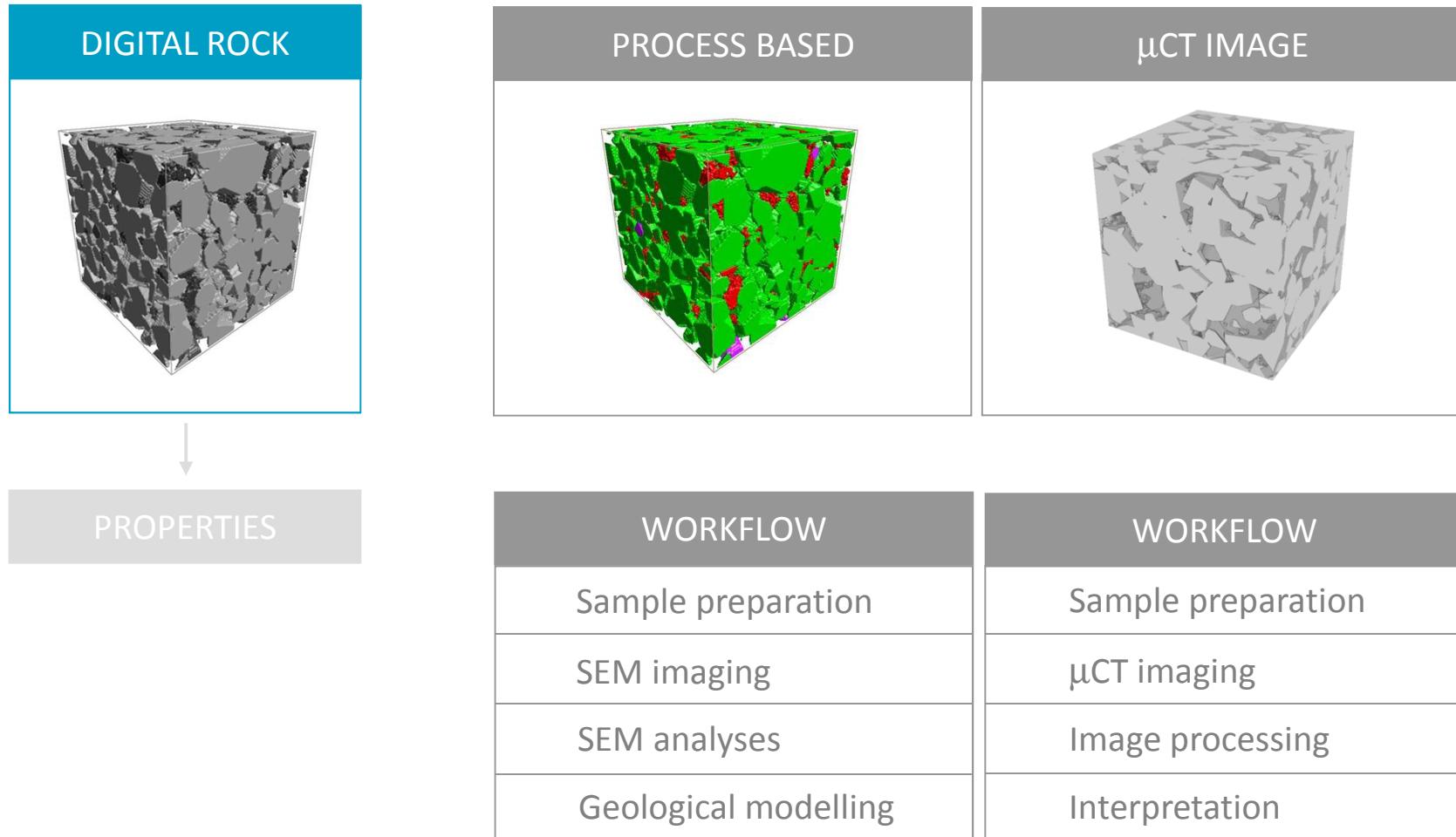
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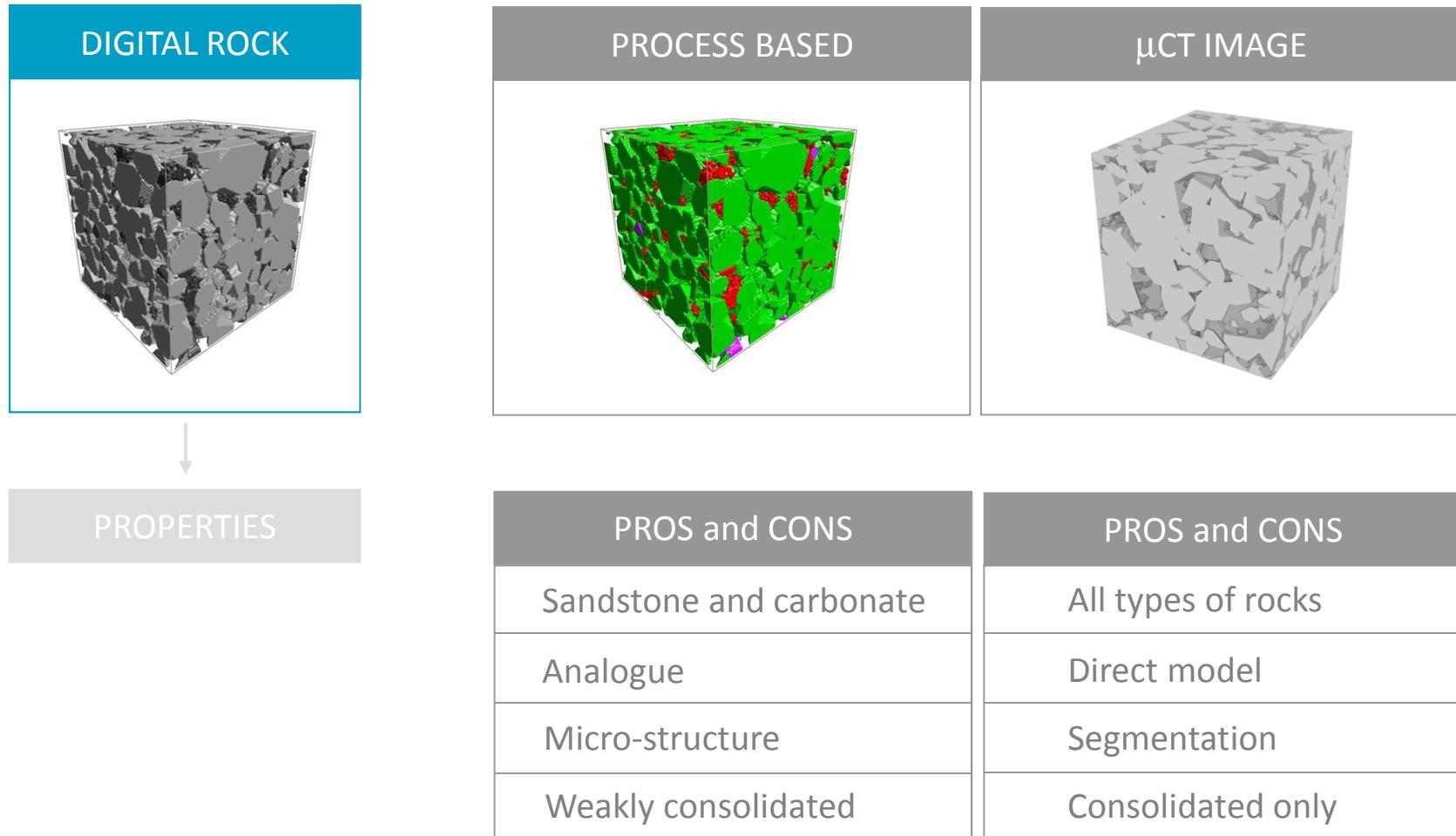
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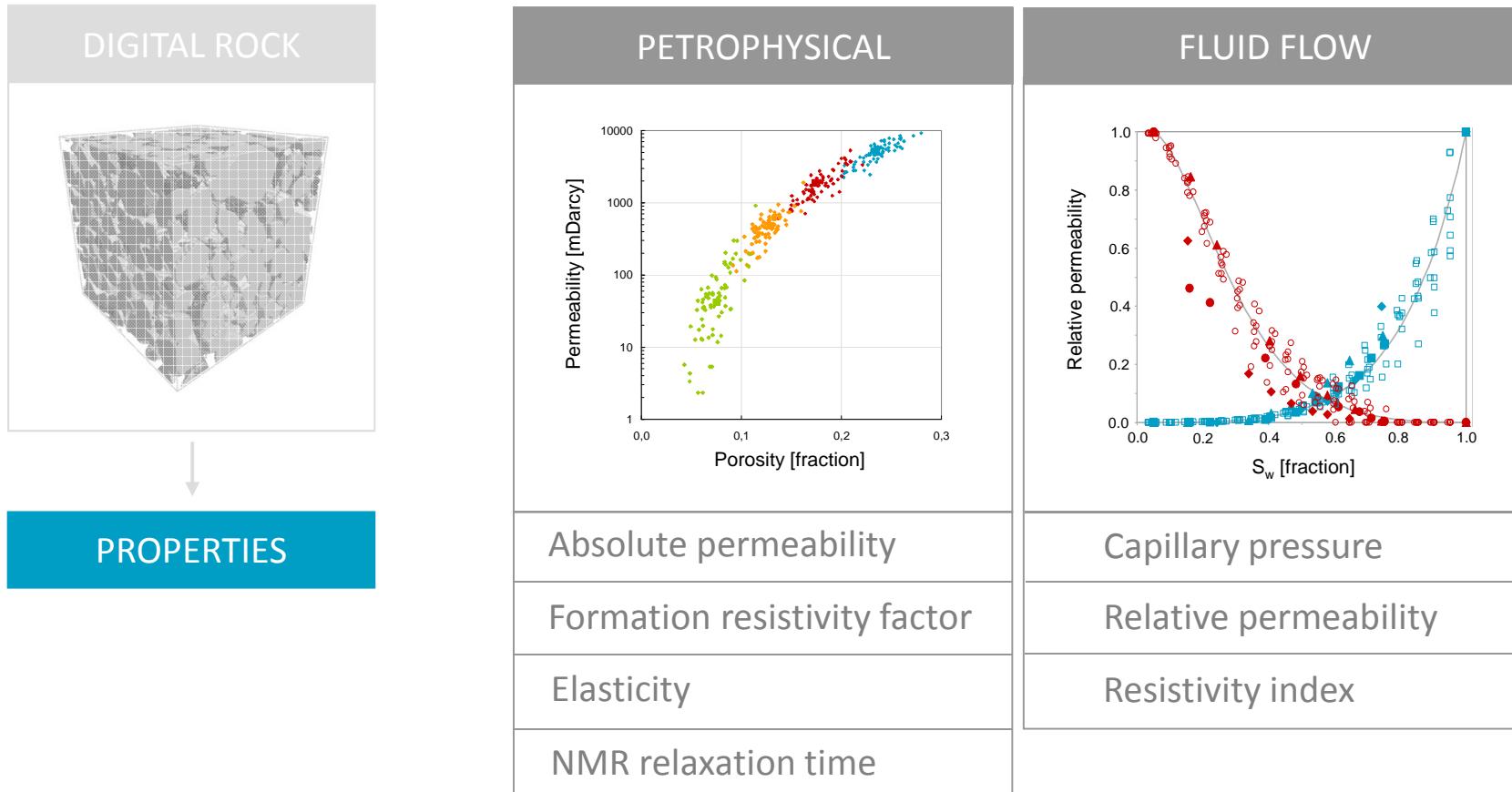
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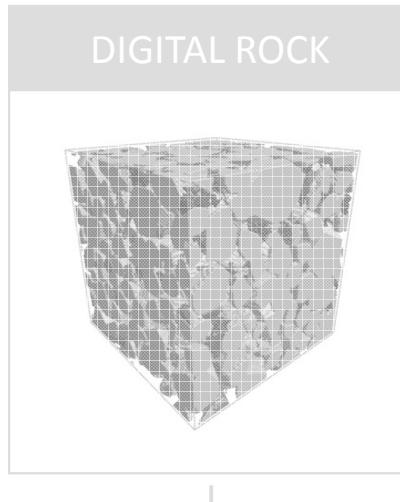
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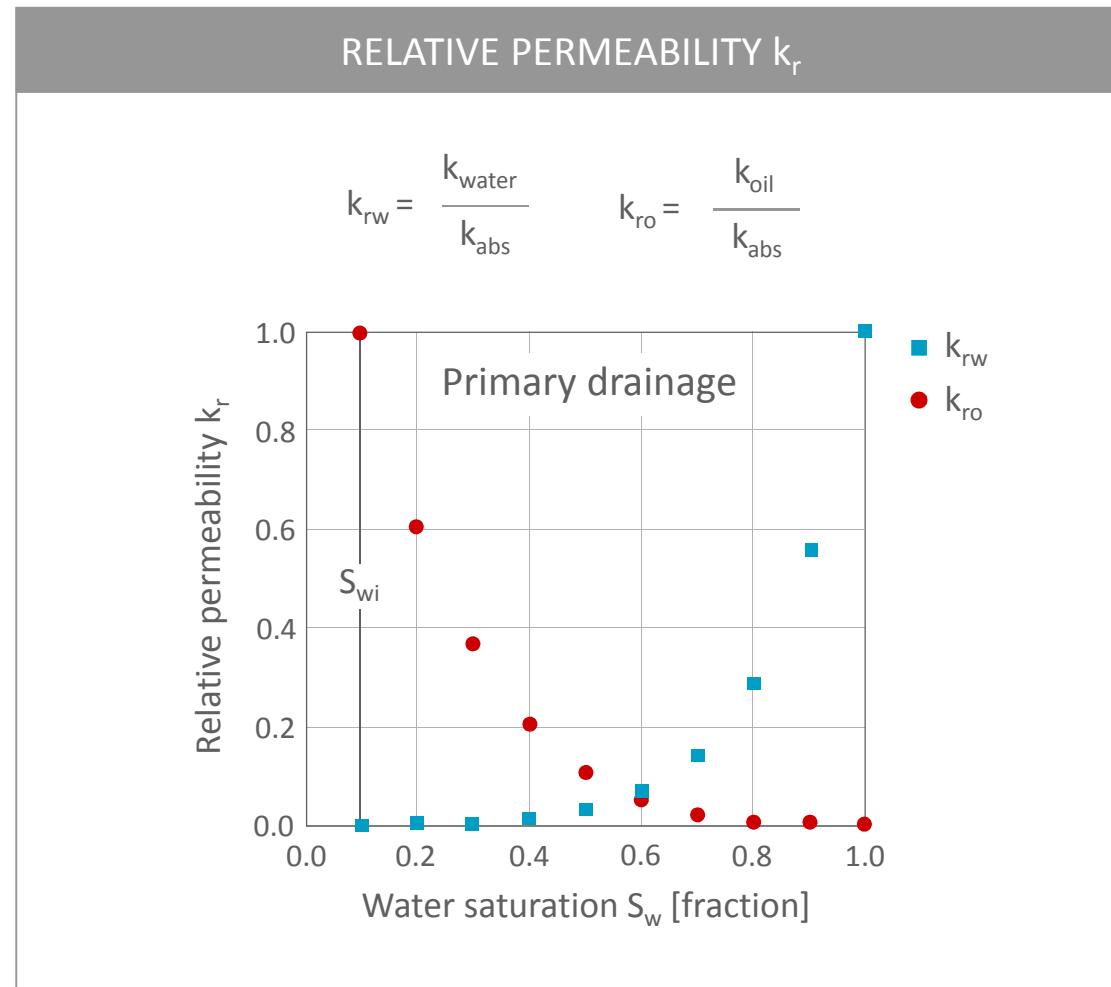
DIGITAL ROCK	GRID	PORE NETWORK
↓		
PROPERTIES		PROS and CONS
FLUID FLOW		Exact pore space
		Capillary and viscous flow
		Resolution limited by grid
		Computer intensive
PROS and CONS		Simplified pore space
		Capillary flow
		Infinite resolution
		Fast

Pore-scale modelling of macroscopic rock properties

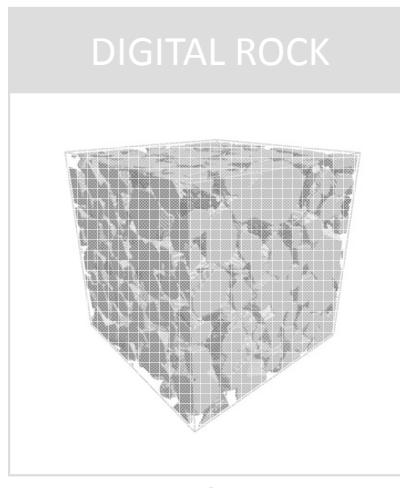


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PROPERTIES
FLUID FLOW

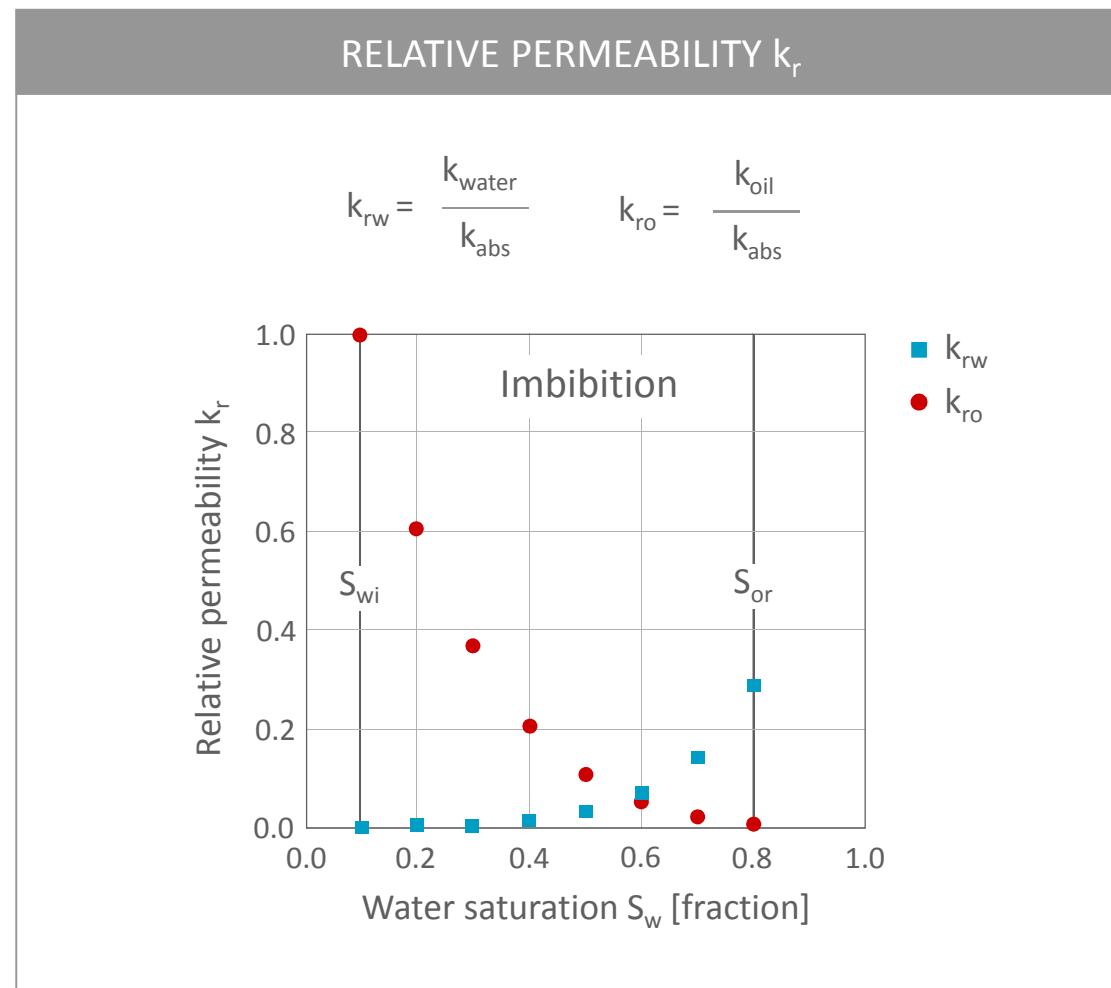


Pore-scale modelling of macroscopic rock properties

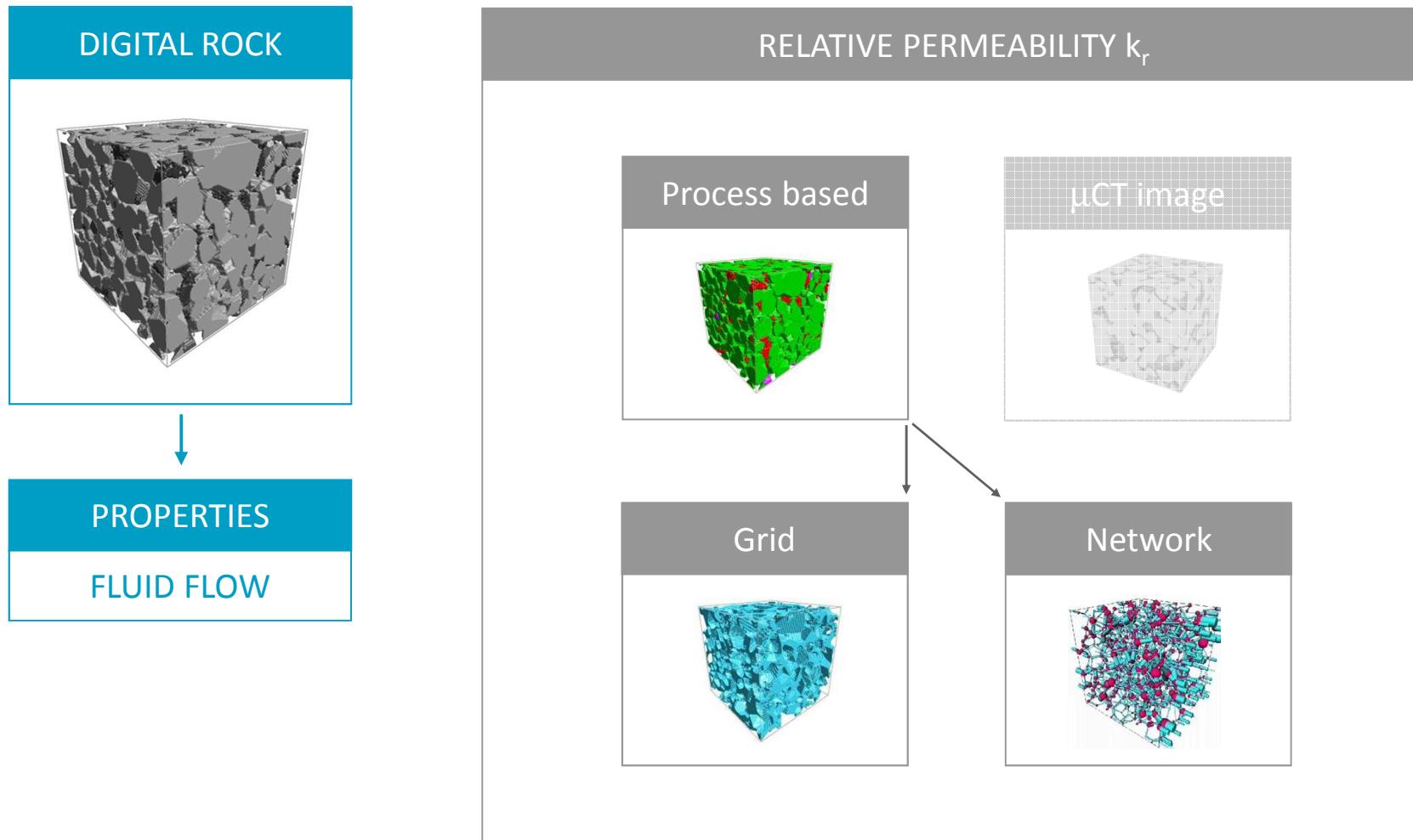


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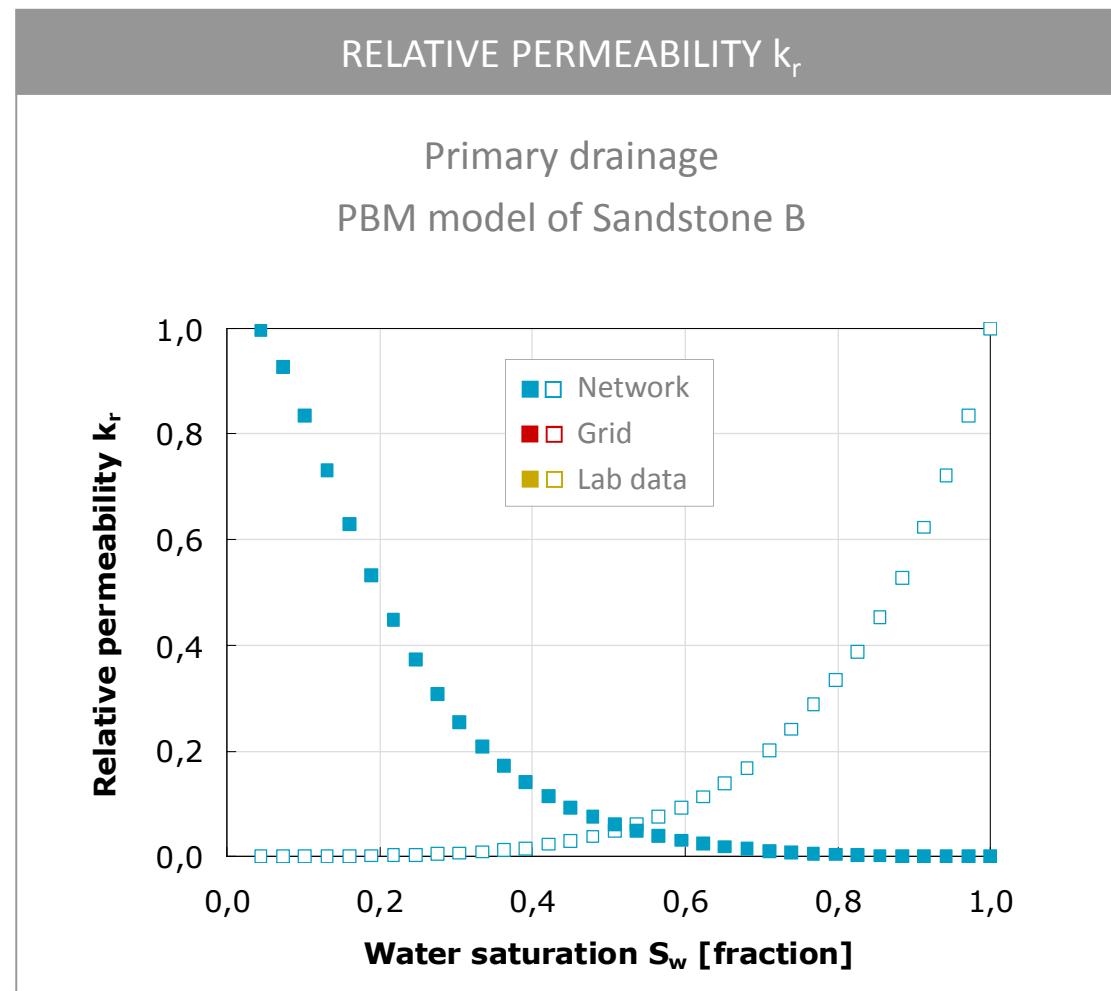
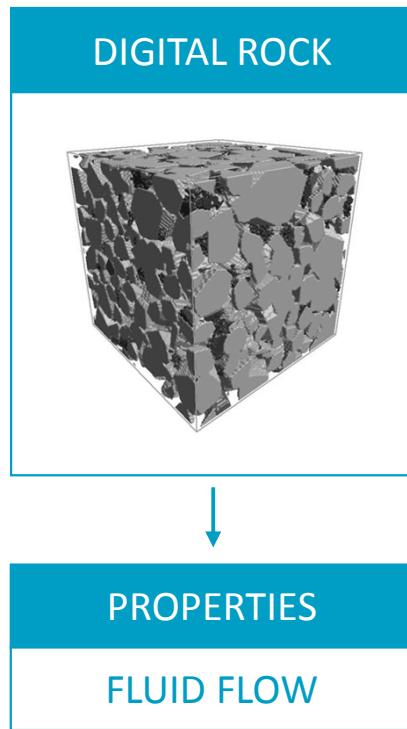
PROPERTIES
FLUID FLOW



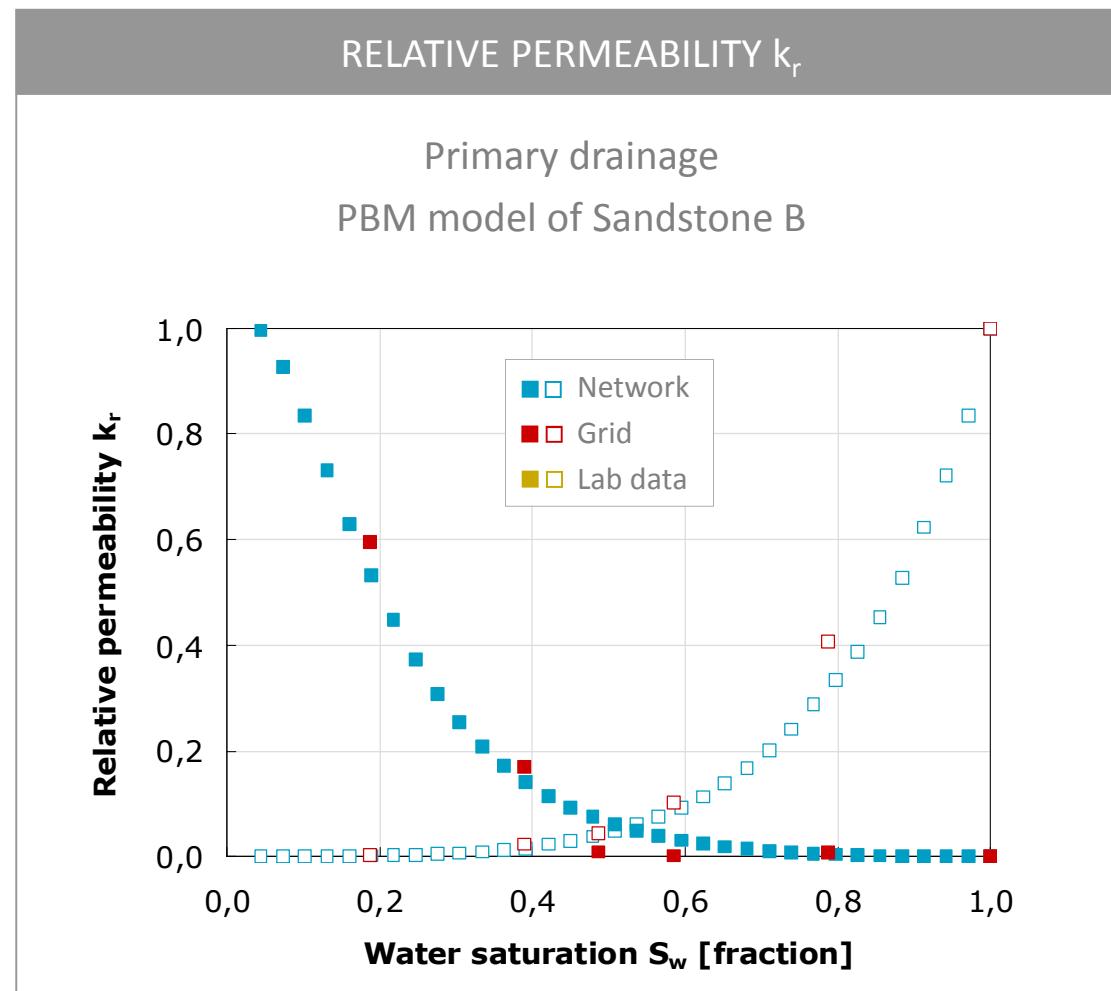
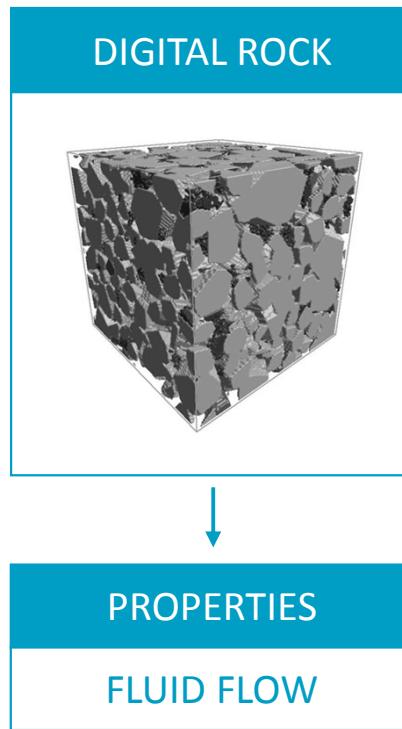
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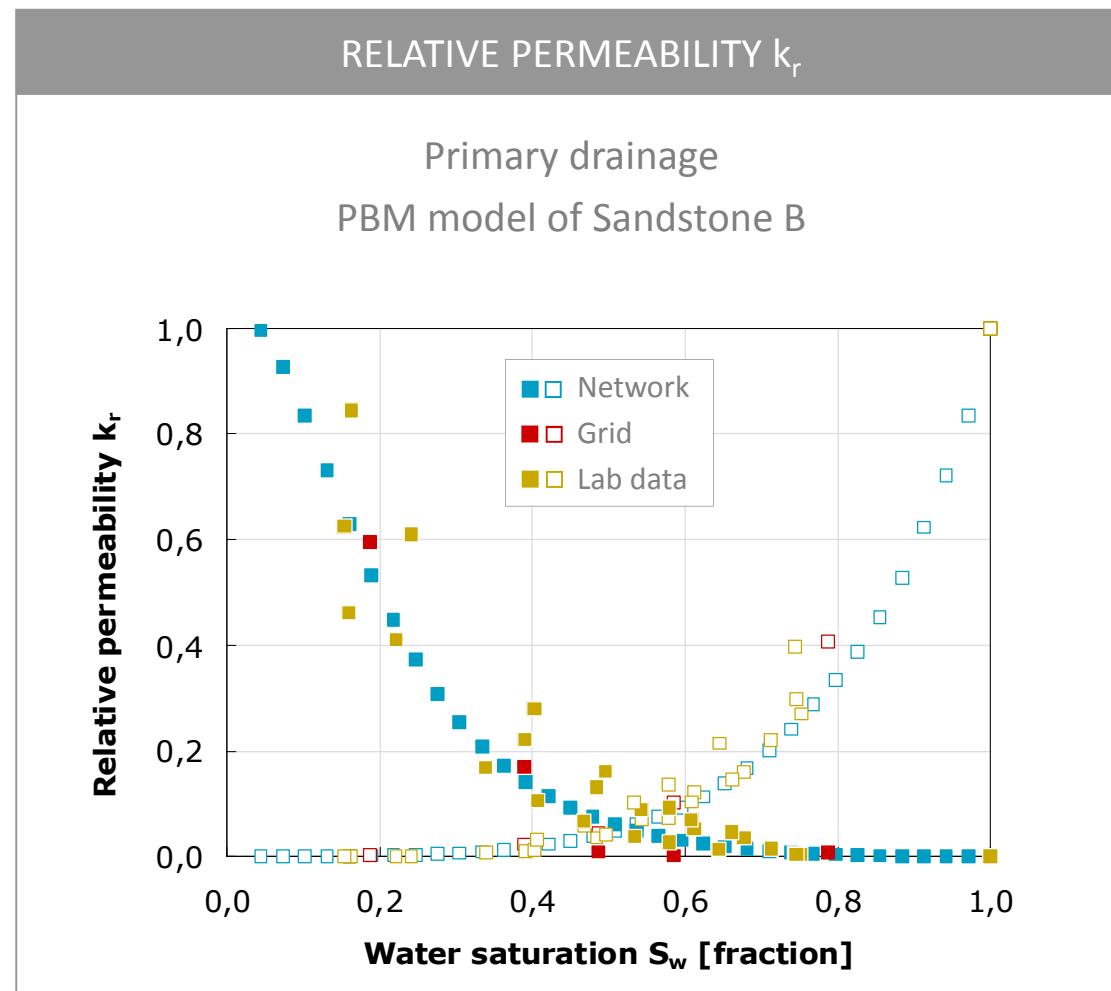
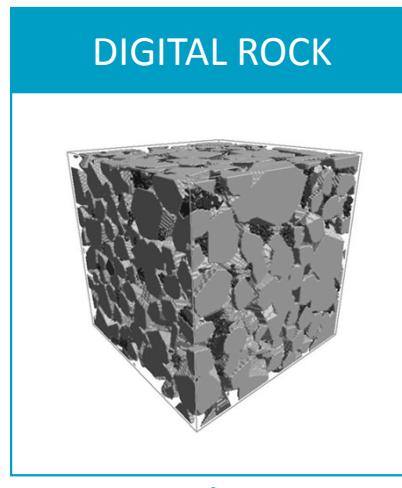
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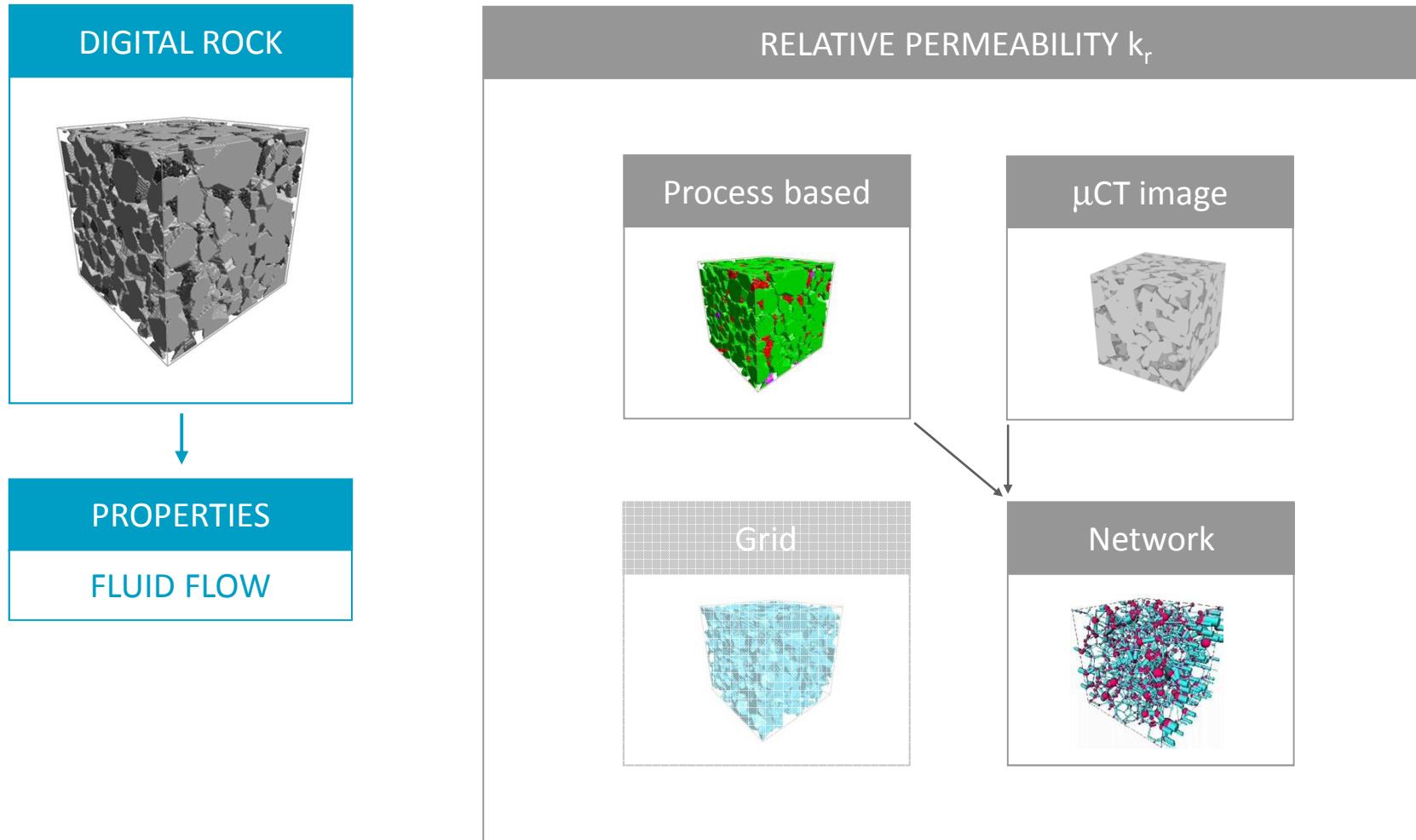
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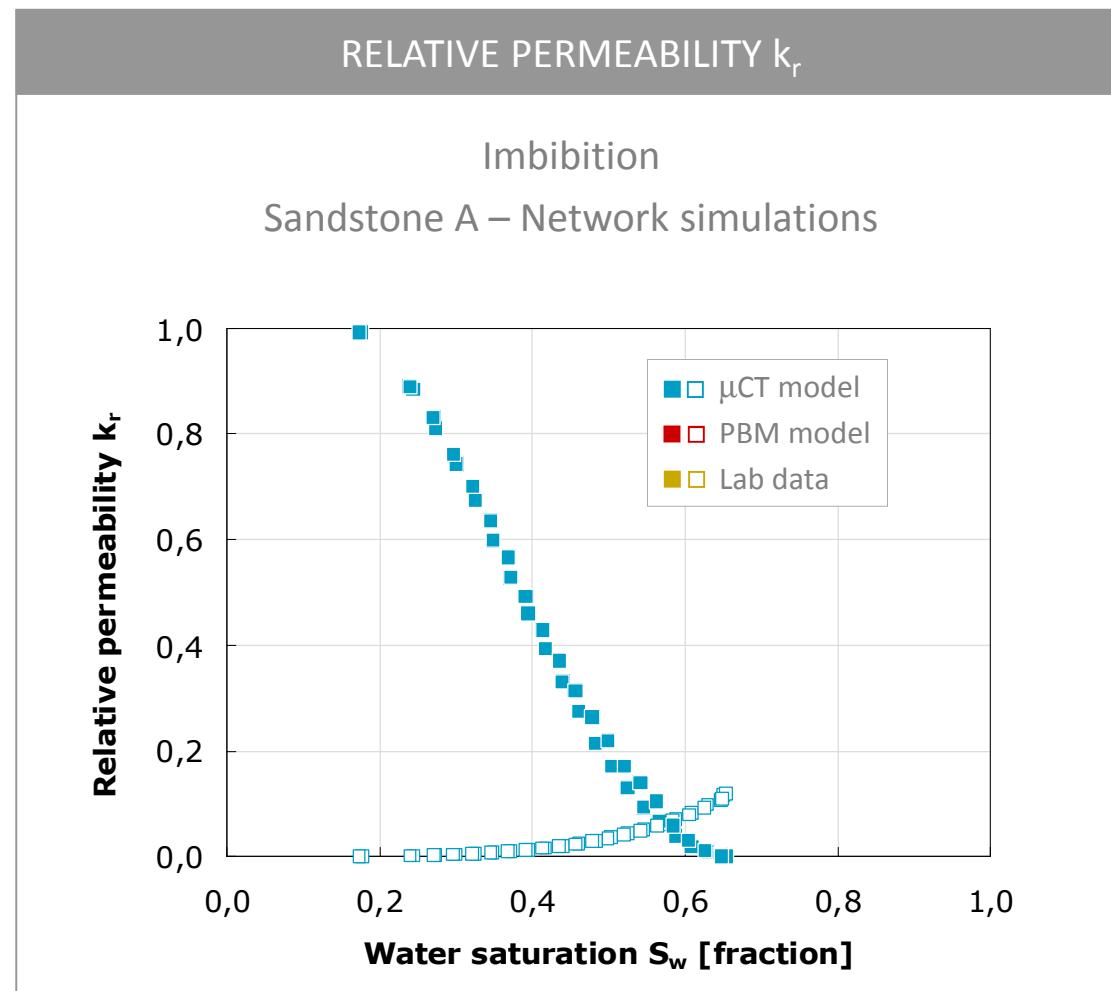
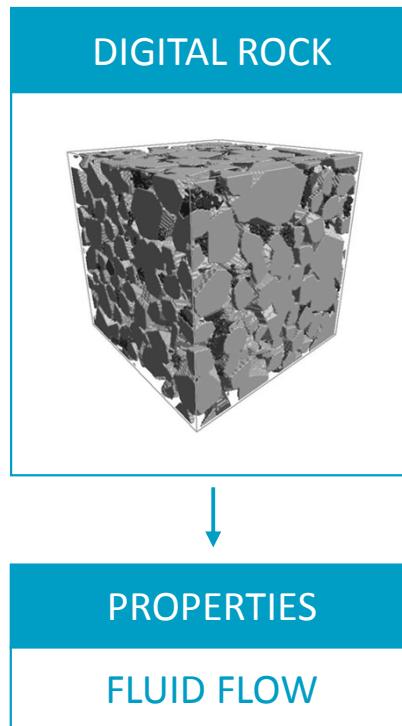
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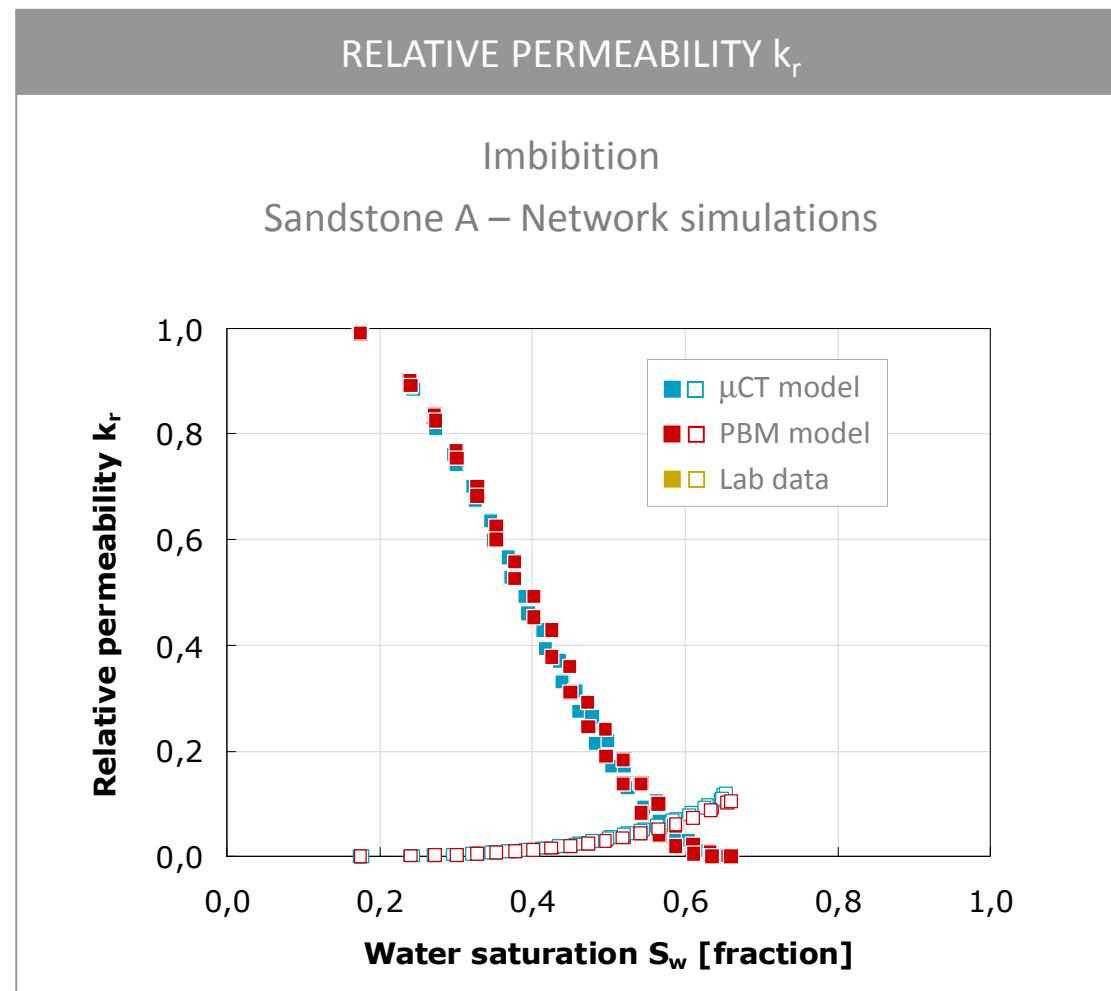
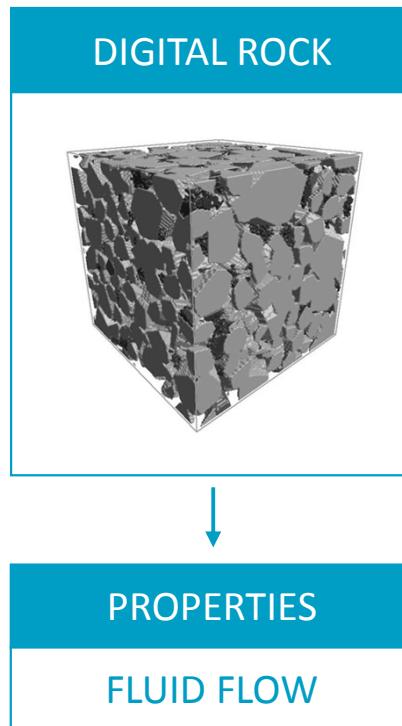
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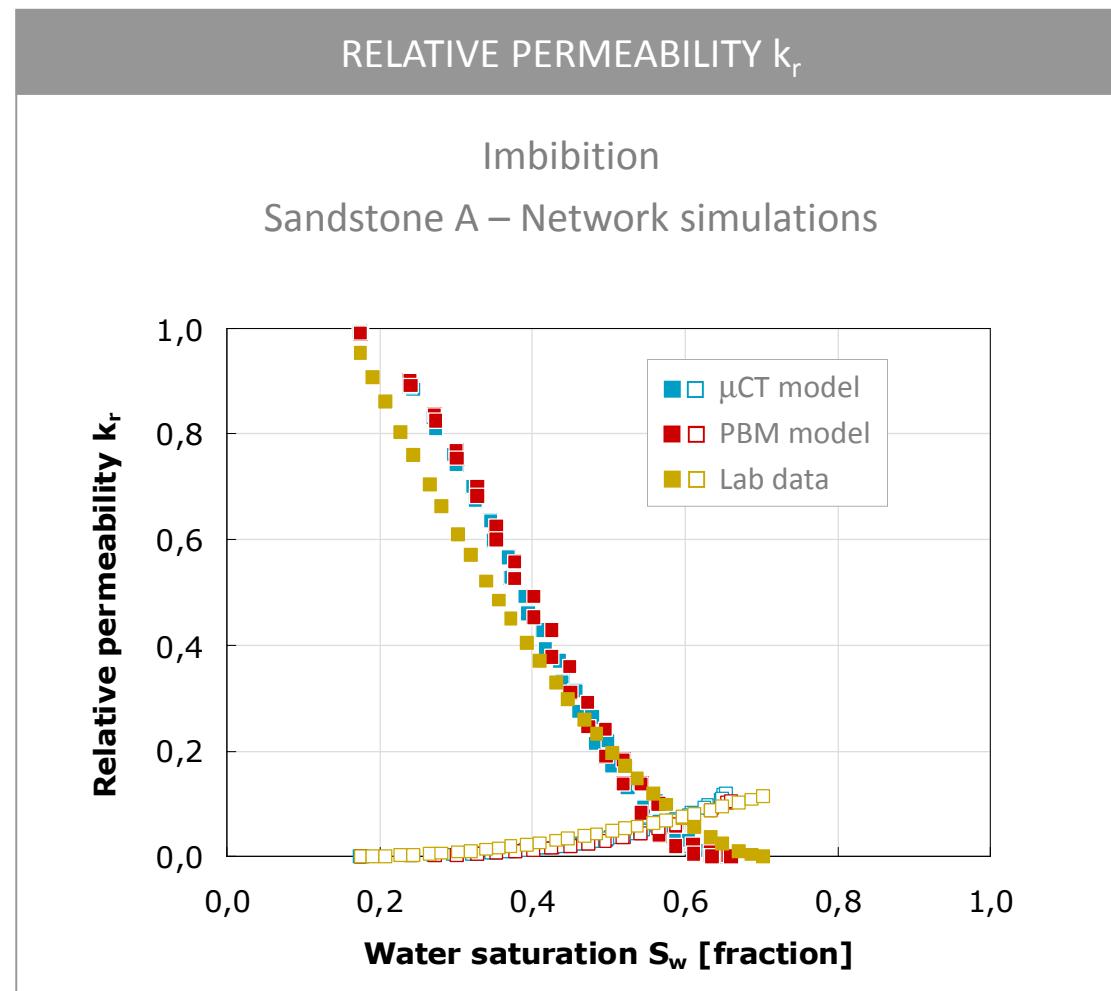
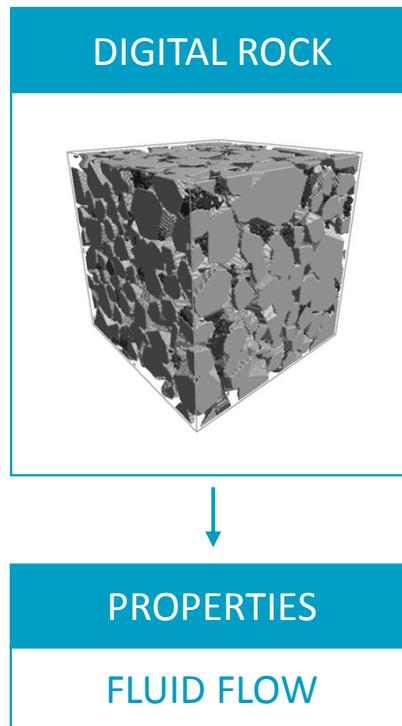
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