

A law-as-code approach to fundamentally transform rulemaking in Greece

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Structure

- ❑ Law-as-Code: what is it?
- ❑ Research partnership
- ❑ Proof of Concept
- ❑ How it's done
- ❑ Step-by-step guide
- ❑ Contact & disclaimer

Law-as-Code: what is it?

- Drafting rules (law) in machine-consumable language (code)
- 2019 Observatory of Public Sector Innovation (OPSI/OECD) trend
- Language – Technology agnostic
- Isomorphism:⁺ equivalency of code & law
- Notion of ‘legal engineering’

Research partnership

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Hellenic OCR Team

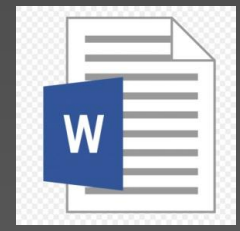
- Crowd-sourcing initiative
 - Processing & analysis of parliament data
 - Open science, software & data
 - Public, private & academia sectors
 - Experts (39) & institutions (4) in 12 countries
 - Beyond state-of-the-art projects
-
- Machine-consumable rules
 - Reverse (legal) engineering approach (RE)
 - Law development with modeling toolsets
 - Enable digital service delivery
 - Based in Wellington, New Zealand



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PROOF OF CONCEPT

- Traditional



- Structural advancement



- Semantic evolution

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Step-by-step guide

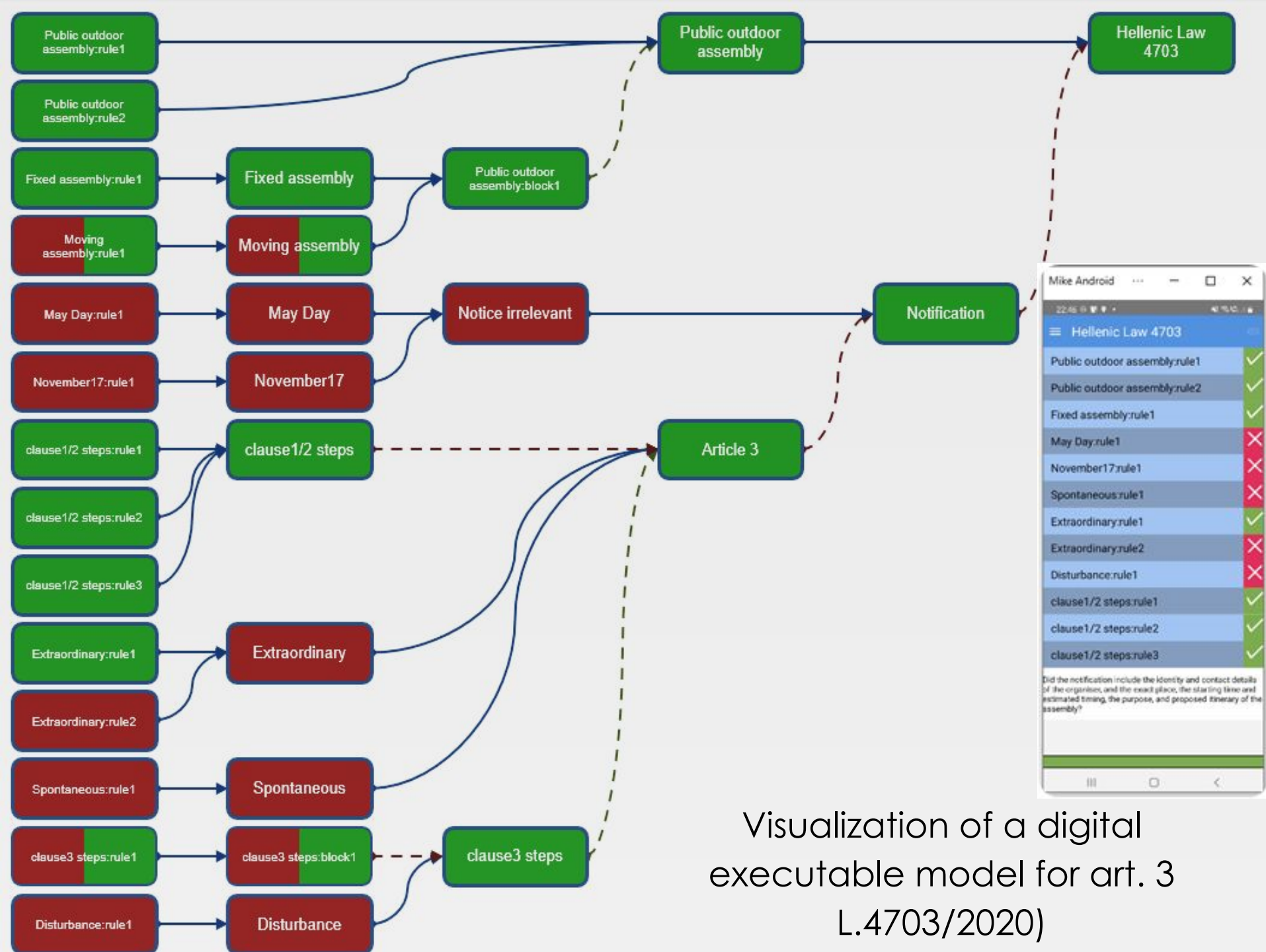
- ✓ Build a consortium
- ✓ Put an interdisciplinary team together
- ✓ Find an ideal proof-of-concept
- Design a training curriculum
- Train the team
- Complete the assignment

How it's done

- ❑ Design of experiment
- ❑ Build a “full” publishing system:
LaC system + AKN representation
- ❑ RE: Outcome ❑ logic ❑ entities ❑ digital twin
- ❑ Apply visualization
- ❑ Go through test scenarios

Log	Law
Hellenic Law 4703	Does the assembly comply with Article 3?
Hellenic Law 4703	If Public outdoor assembly = false then true else Notification
Public outdoor assembly	Is the assembly a public outdoor assembly?
Public outdoor assembly	if rule1 = true and rule2 = true then block1 else false
Public outdoor assembly:rule1	Is the assembly of persons to take place in an open, non-enclosed space, on a temporary basis?
May Day	May Day exception?
May Day	If rule1= true then true else false
May Day:rule1	Is the assembly taking place to celebrate May Day?
November17	November 17 exception?
November17	If rule1= true then true else false

Semantic representation (part of art. 3 L.4703/2020)



Visualization of a digital executable model for art. 3 L.4703/2020)

Contact & disclaimer

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