

Competition results

ICDAR 2021 Competition on Historical Map Segmentation

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Competition on

Historical Map Segmentation

Official website

<https://icdar21-mapseg.github.io>



Organised by



French engineering school in computer science



French national mapping agency



French graduate schools of social sciences

Everything is available here

Flash me!



Focused on a series of Paris Atlases (1860's-1940's)

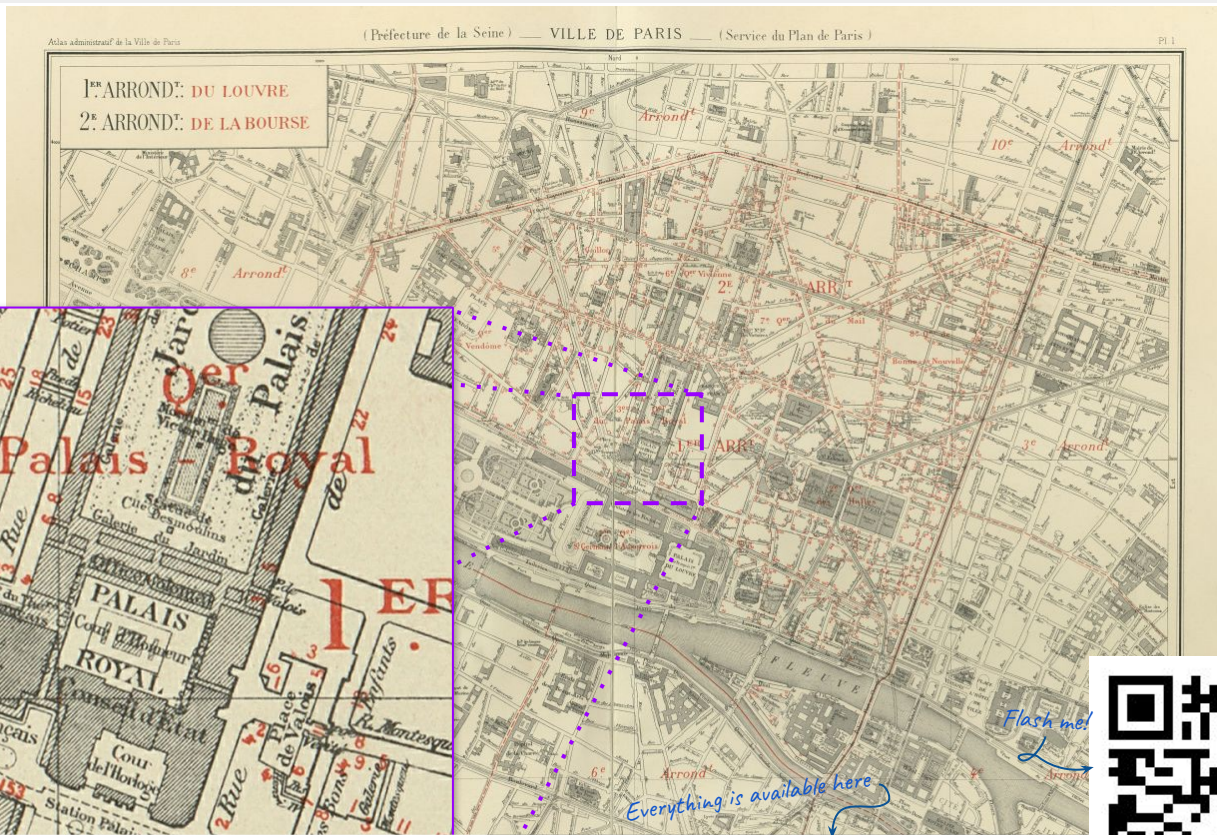
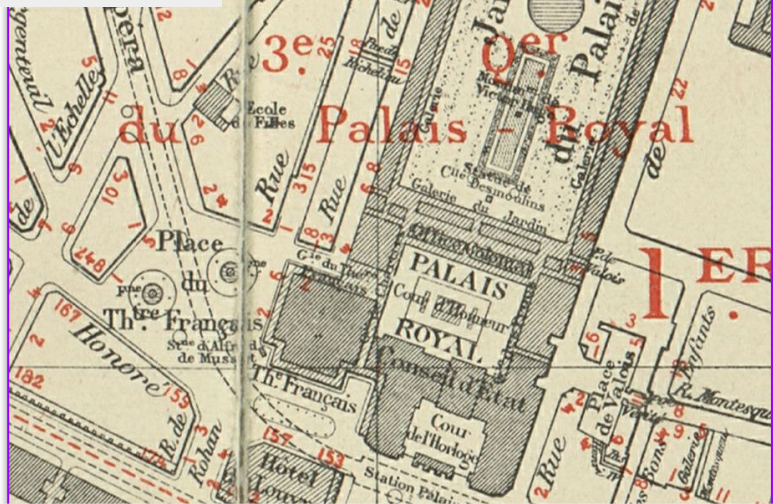
Sample sheet (1925)

11136 x 7711 px



Detail

1 px \approx 45 cm



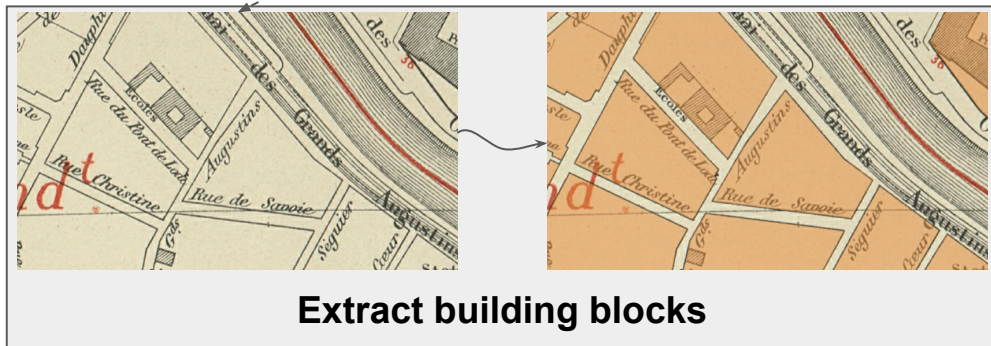
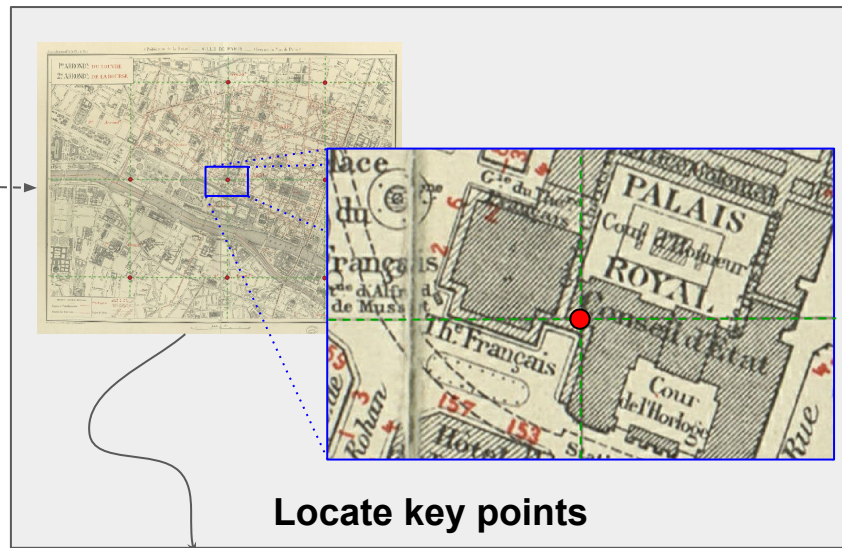
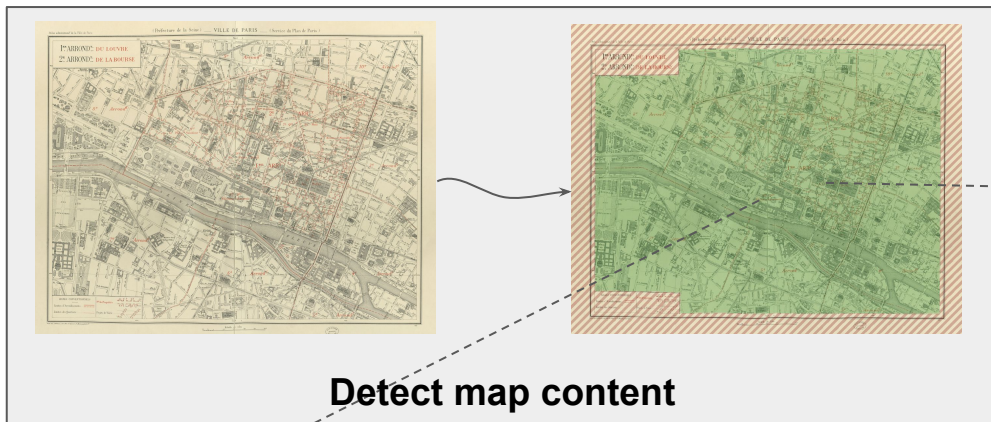
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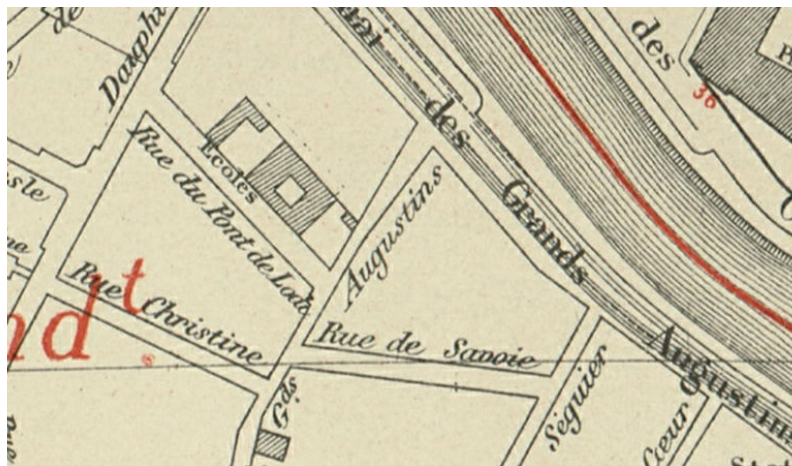
Motivated by the need to digitize historical maps



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Task 1: Detect building blocks



🏆 **Winners** 🏆

Vincent Nguyen and Nam Nguyen
L3i, University of La Rochelle, France
LIRIS, INSA-Lyon, France

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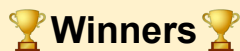
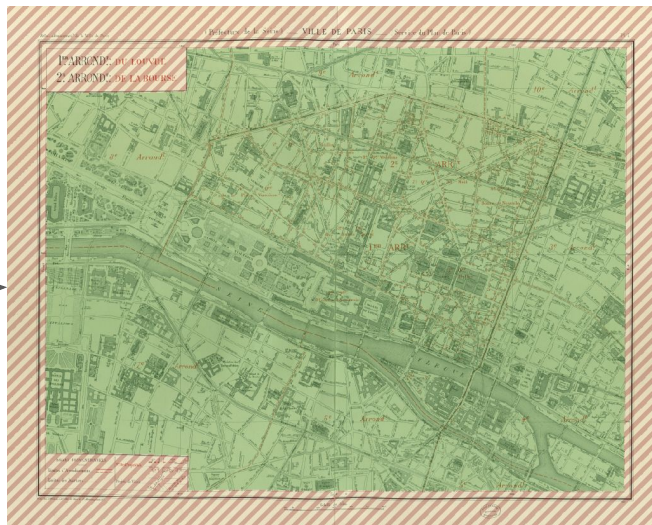
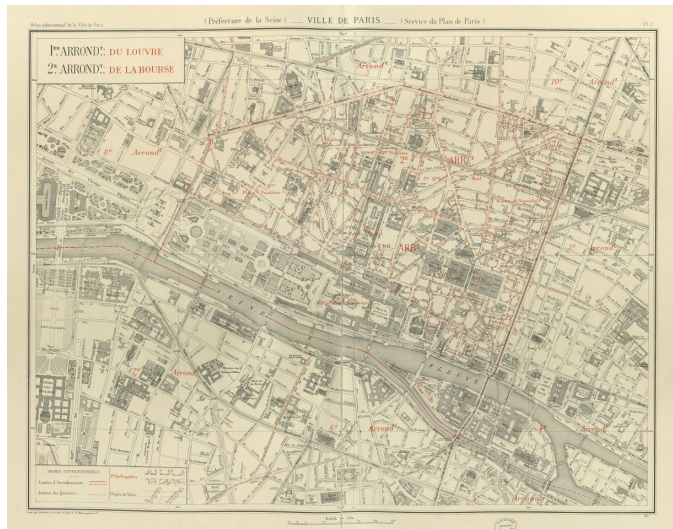
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Task 2: Segment map content within map sheets



Winners

Josef Baloun, Ladislav Lenc, and Pavel Král
University of West Bohemia, Univerziti, Pilsen,
Czech Republic

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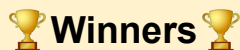
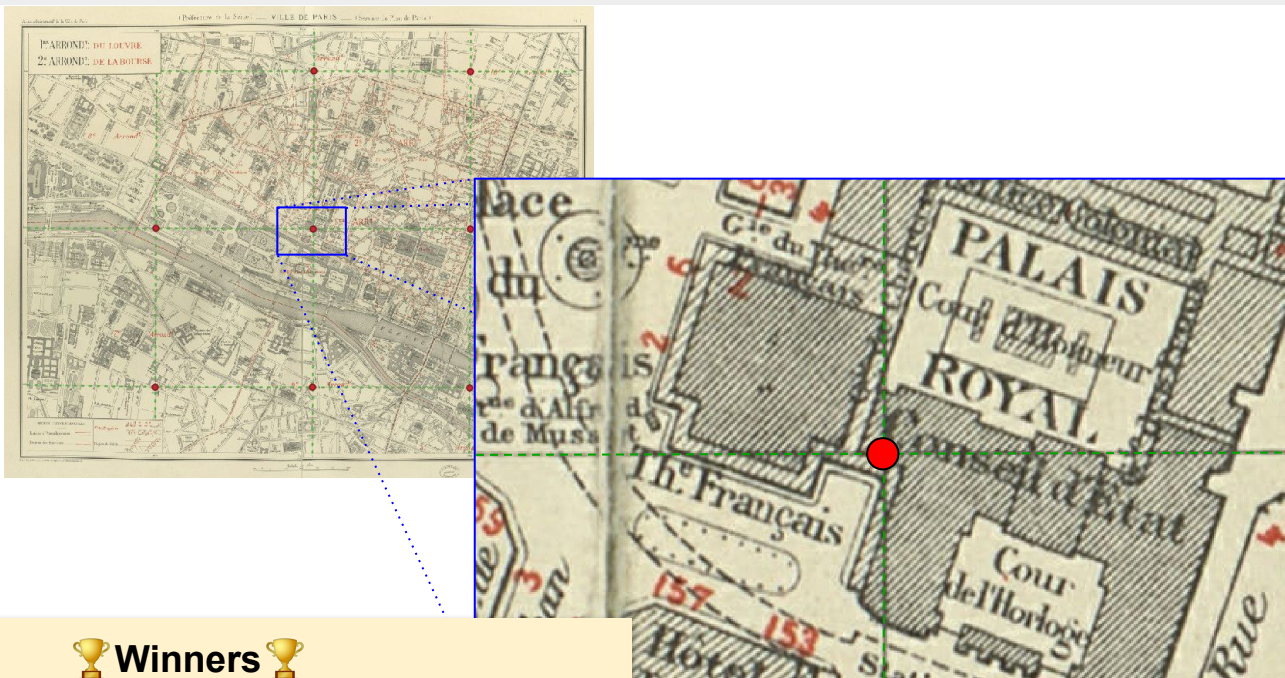
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Task 3: Locate graticule lines intersections



Winners

Josef Baloun, Ladislav Lenc, and Pavel Král
University of West Bohemia, Univerzitiní, Pilsen,
Czech Republic

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Check our [website](https://icdar21-mapseg.github.io)

→ <https://icdar21-mapseg.github.io> ←

cs.CV [arXiv:2105.13265](https://arxiv.org/abs/2105.13265)

Competition report

DOI [10.5281/zenodo.4817662](https://doi.org/10.5281/zenodo.4817662)

Dataset
with ground truth

DOI [10.5281/zenodo.4818228](https://doi.org/10.5281/zenodo.4818228)

Participants'
submissions,
detailed descriptions
and evaluation
reports

DOI [10.5281/zenodo.4818401](https://doi.org/10.5281/zenodo.4818401)

Evaluation tools

✓ **Open licenses**

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We thank the City of Paris for granting us with the permission to use and reproduce the atlases used in this work.*

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