NetworKit in 2026: history and numbers



Mikhail Kirilin, KIT

NetworKit Day 2026, 10 November 2026

Based on Release 11.3

The early years …

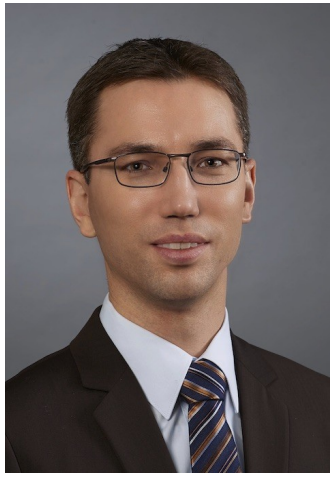
- Started as Scientific Project

  Parallel analysis of dynamic networks - Algorithm engineering of efficient combinatorial and numerical methods

  (financially supported by MWK Baden-Württemberg)

- C++ only, community detection + generators

15.10.2012 > 1st commit
21.03.2013 > 1st release



Henning Meyerhenke
Principal Investigator

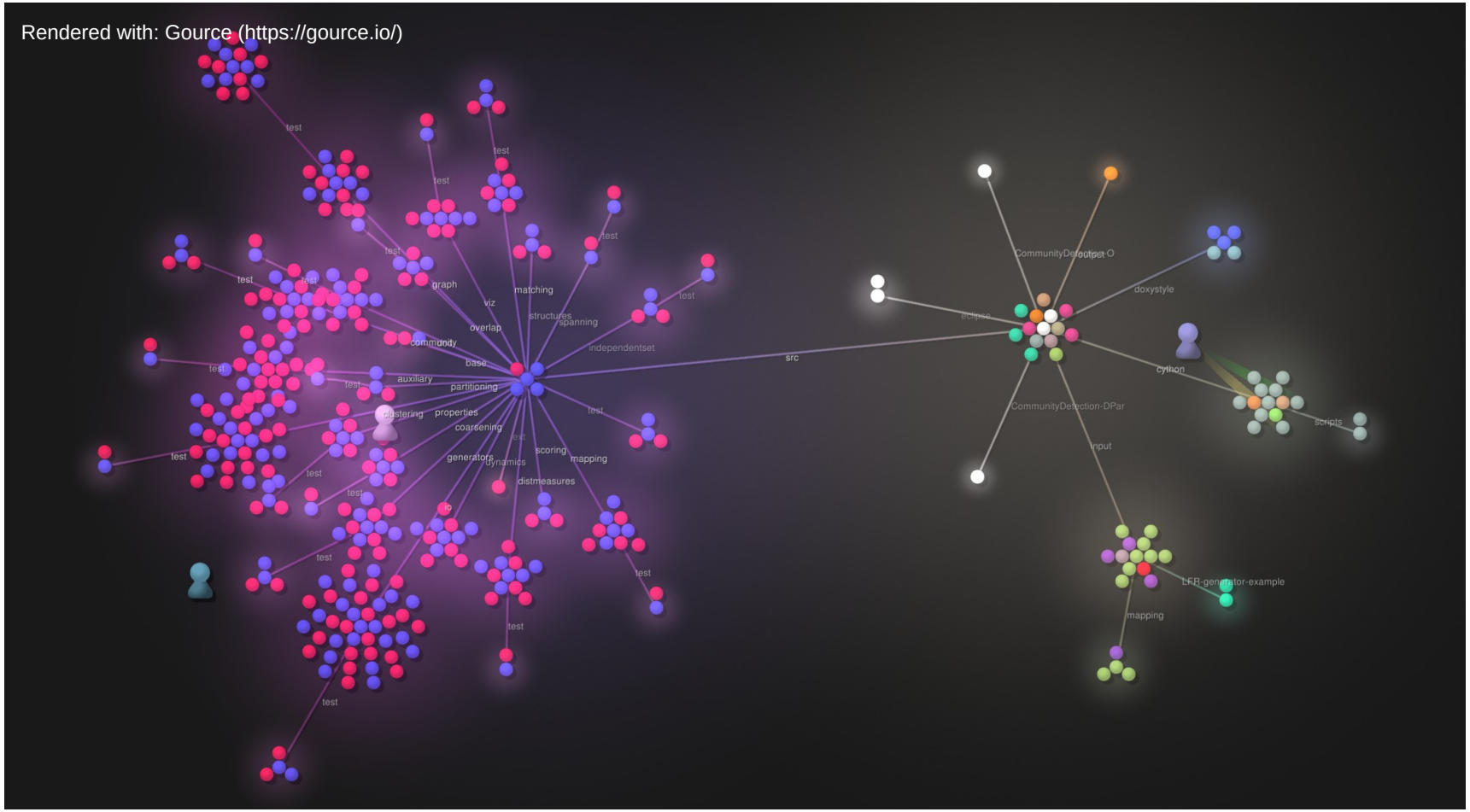


Christian Staudt
PhD Student

Images taken from: http://parco.iti.kit.edu/index-en.shtml

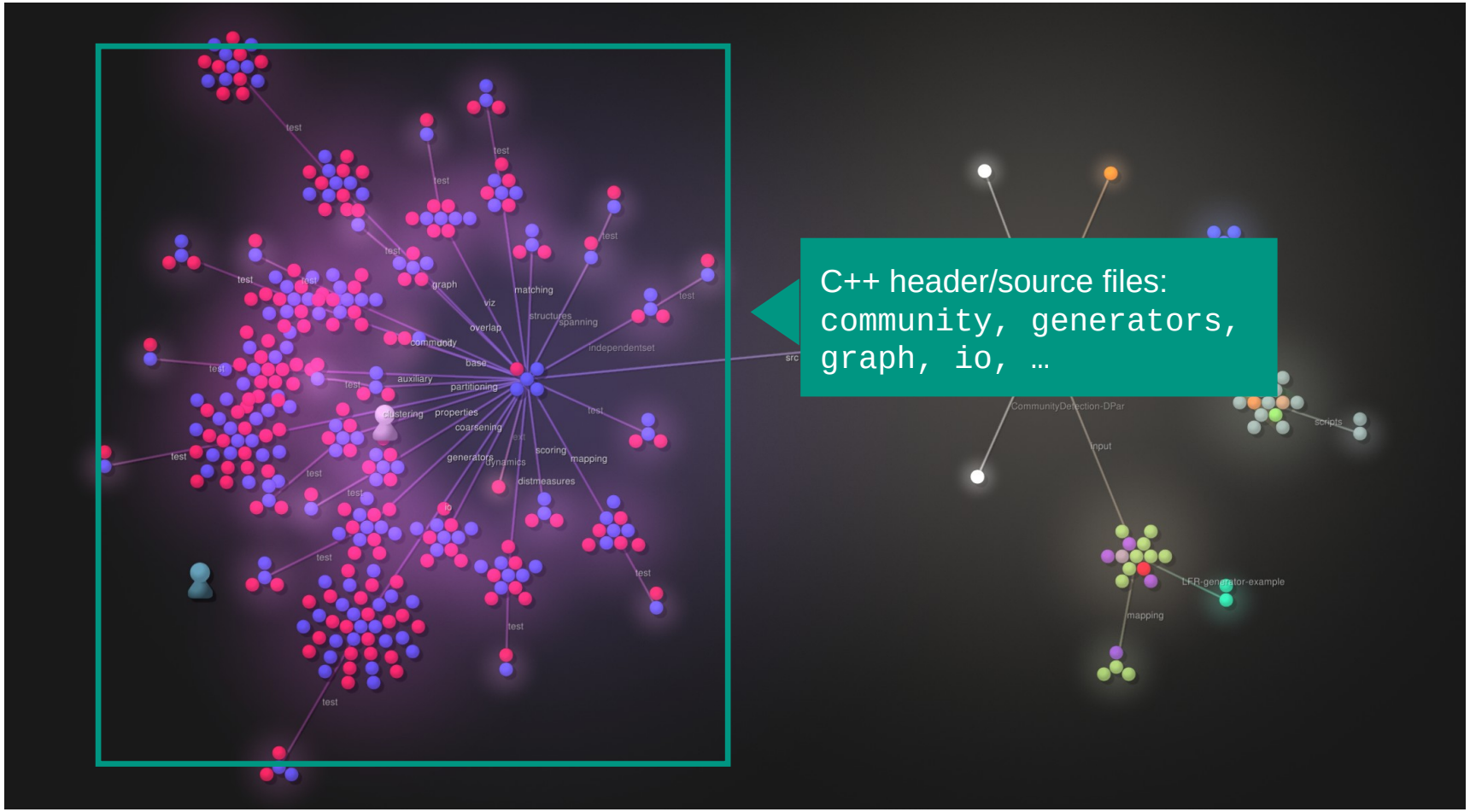
Milestones

November 11th, 2013 - **Release 2.0** (Python Interface)



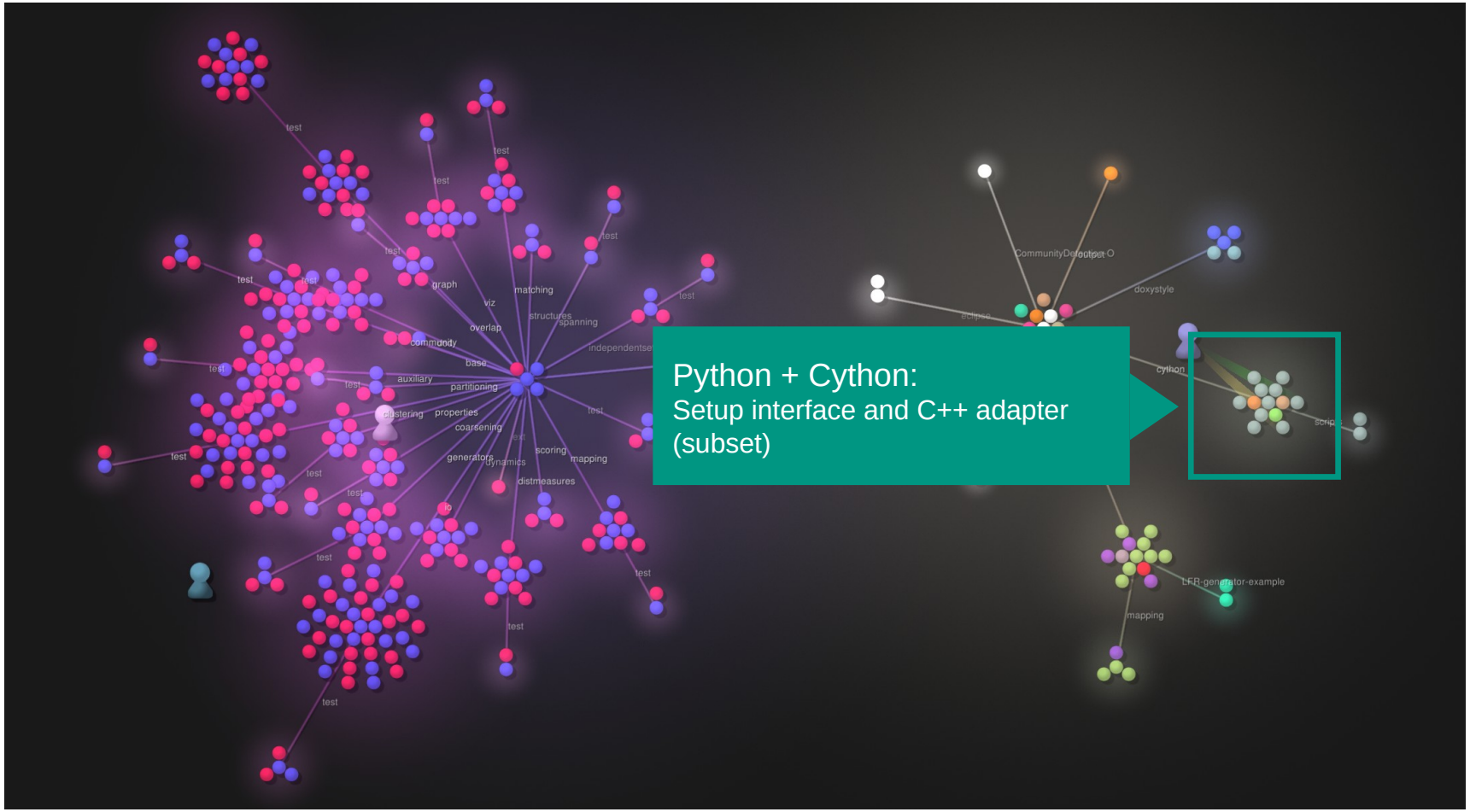
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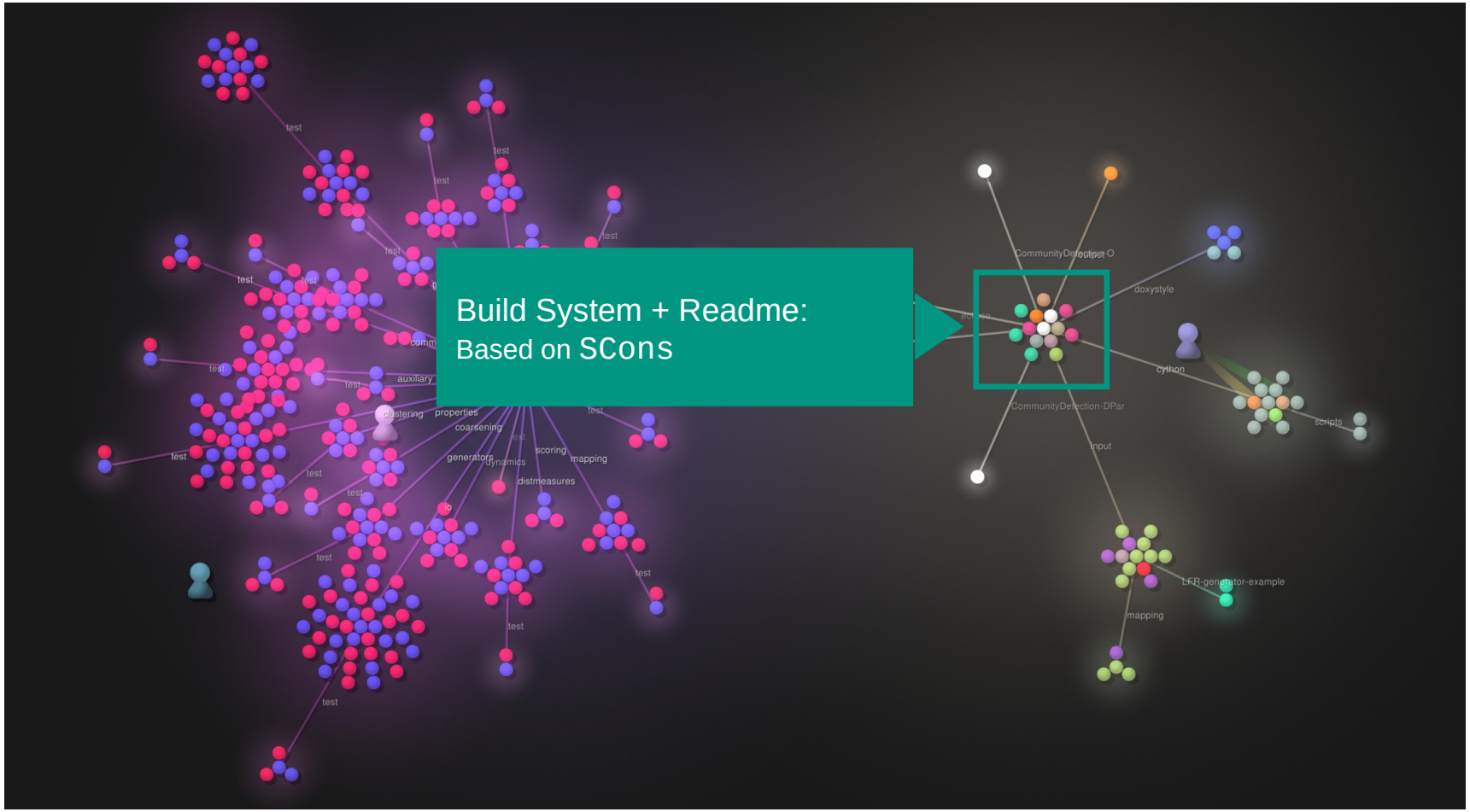
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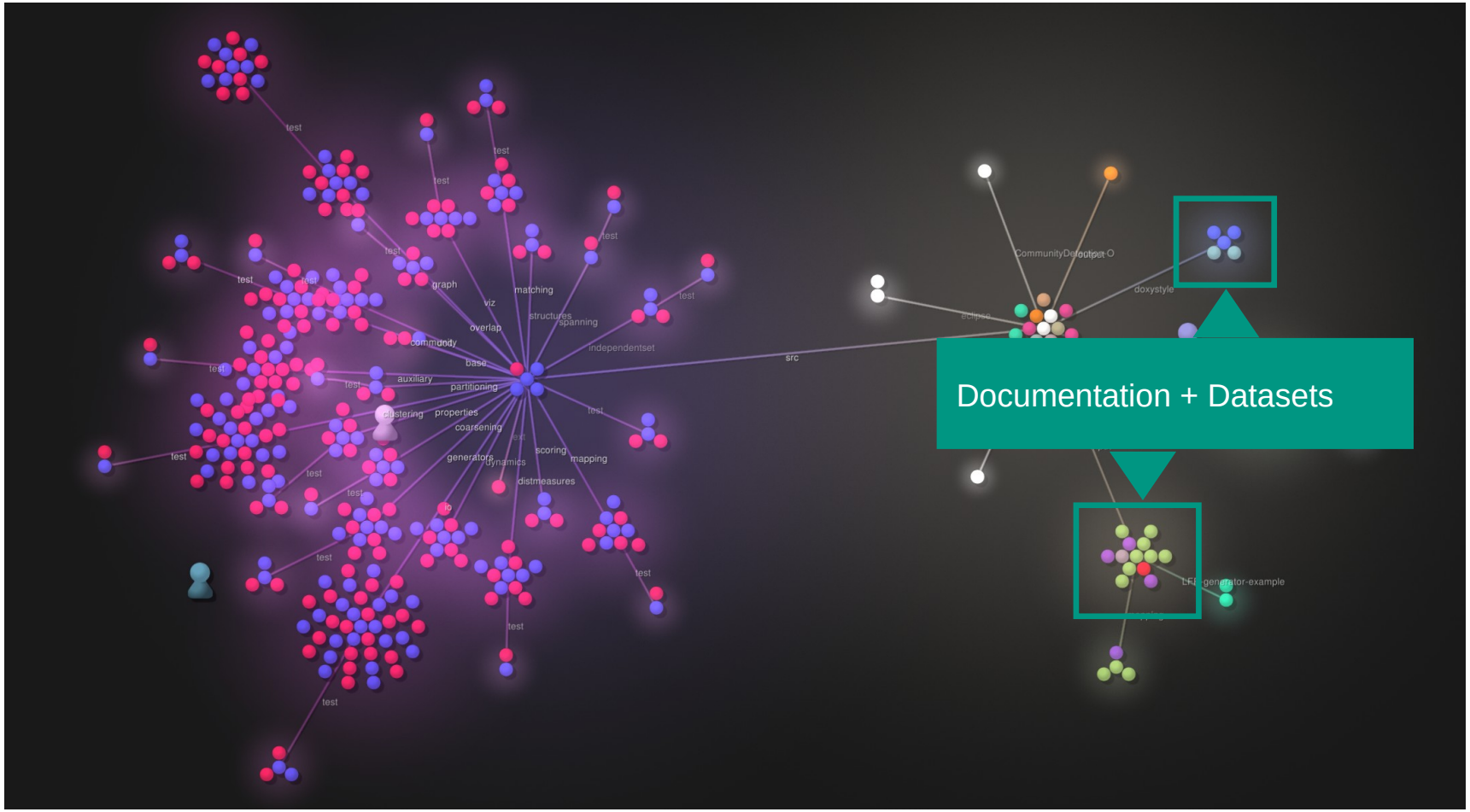
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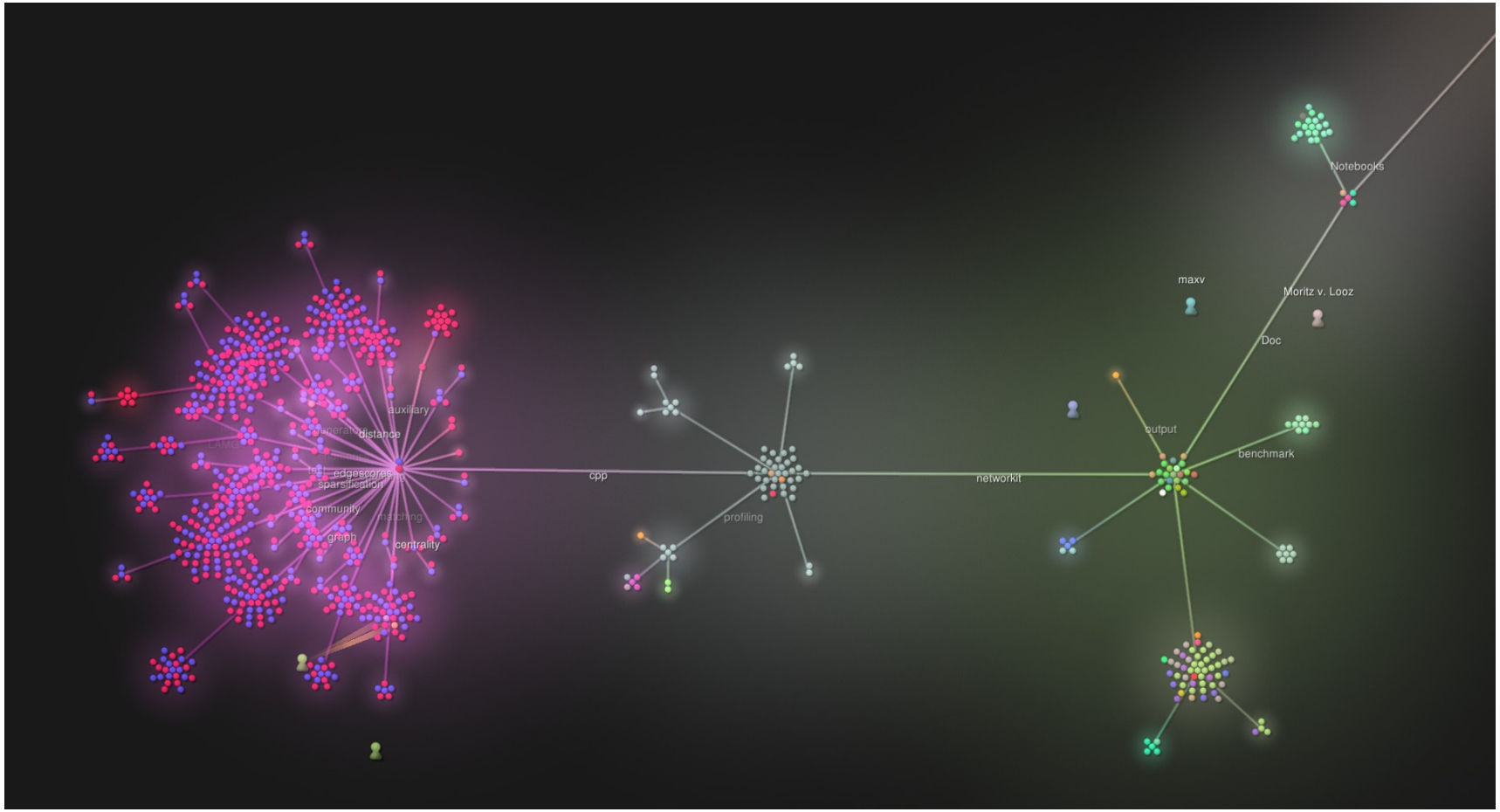
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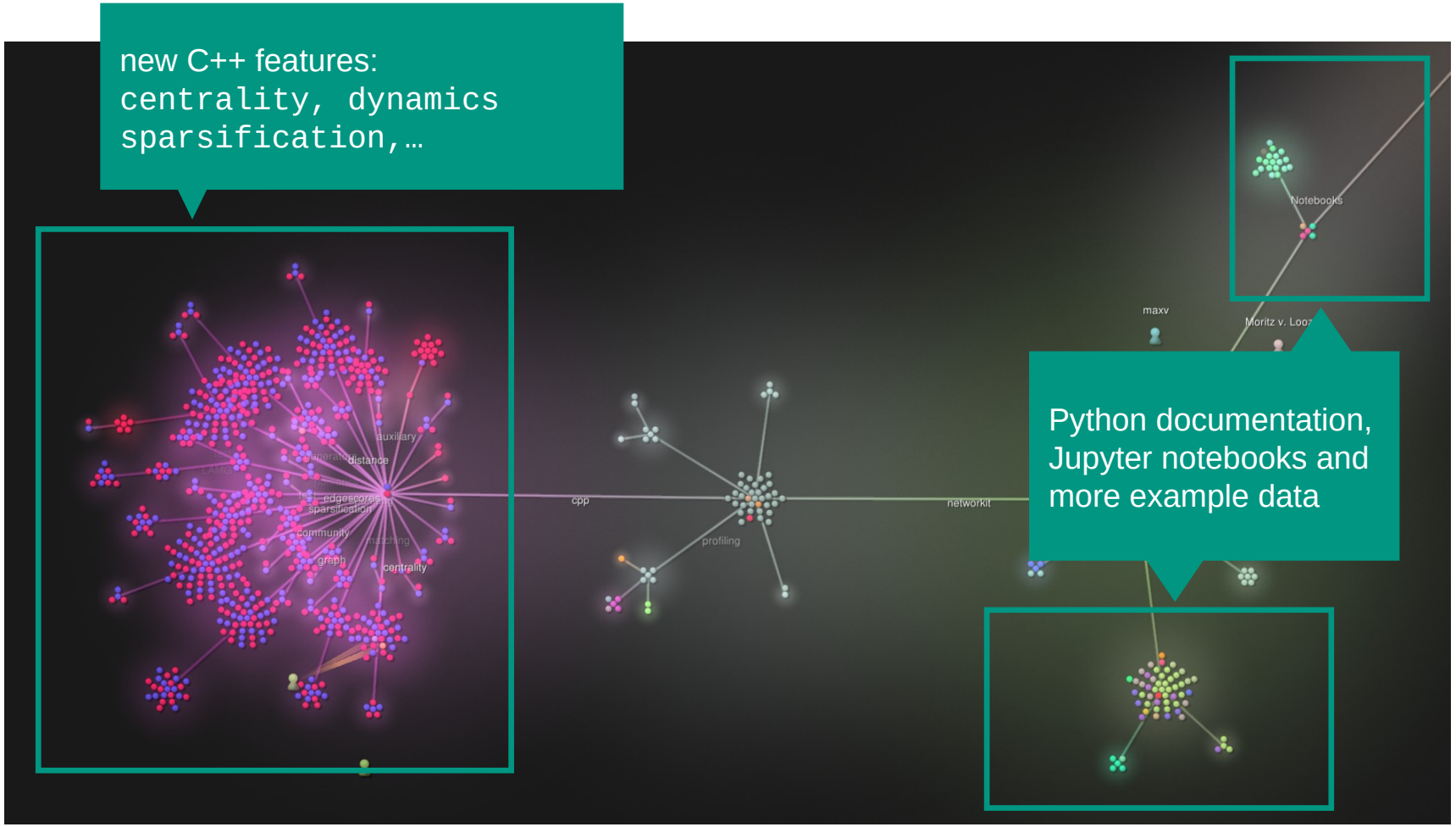
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November 10th, 2015 - **Release 4.0** (More features, common build system)



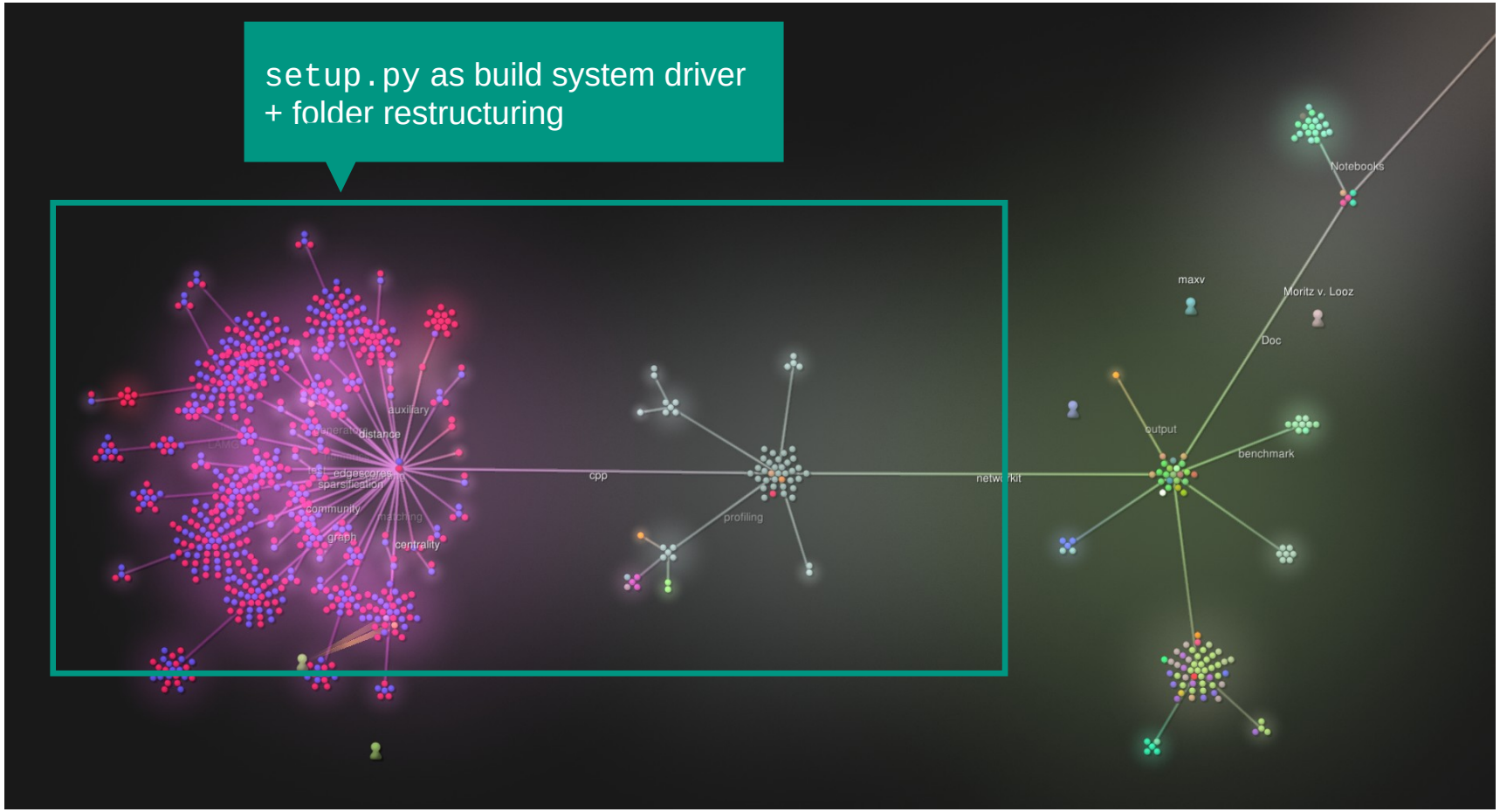
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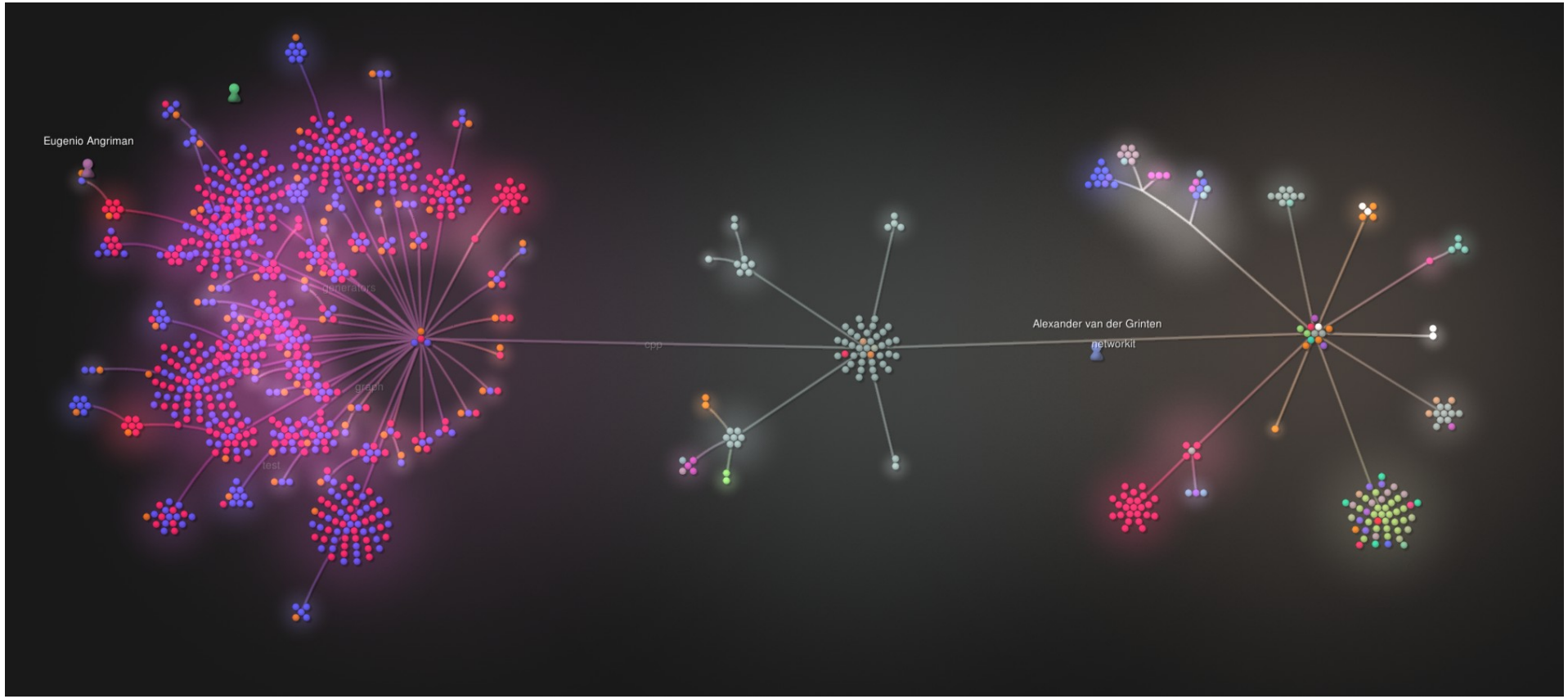
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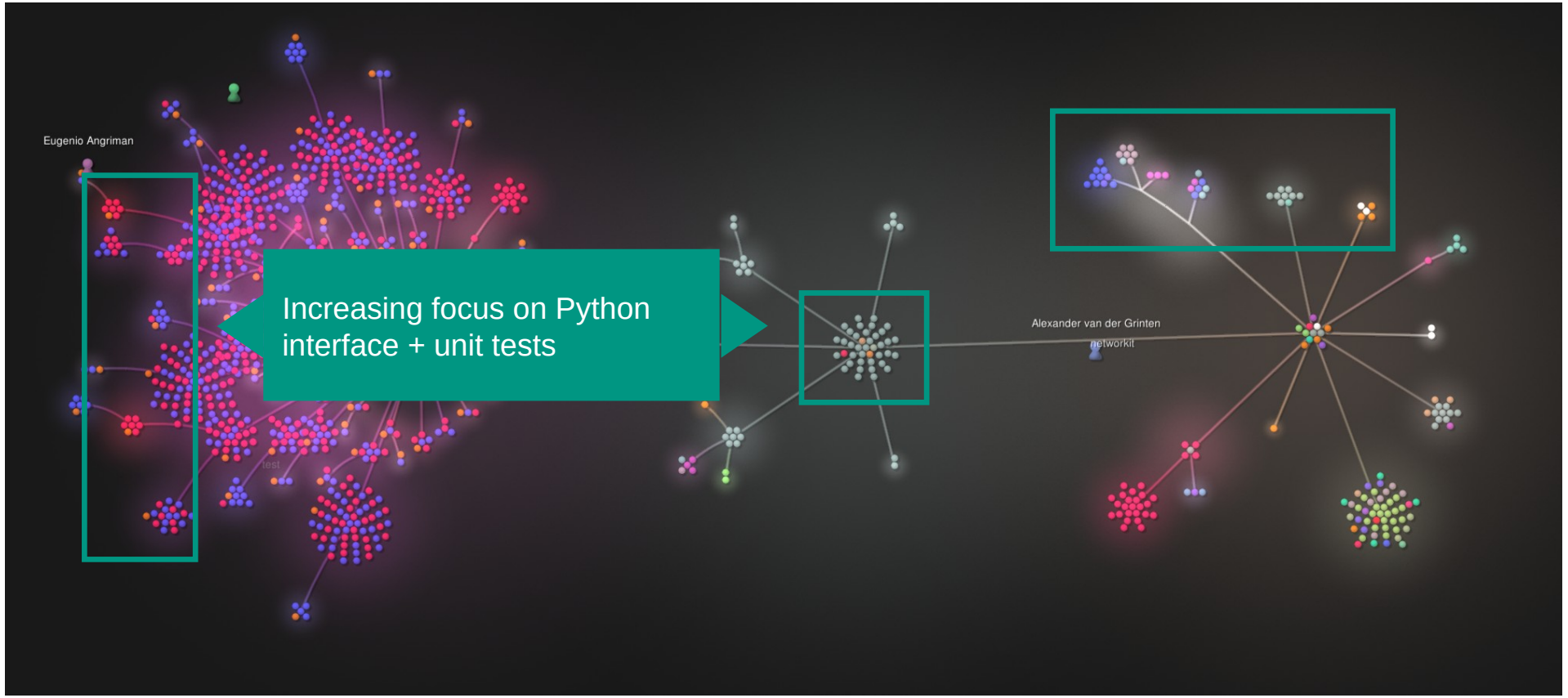
Milestones

December 19th, 2018 - **Release 5.0** (CMake, Unittest + Deployment)



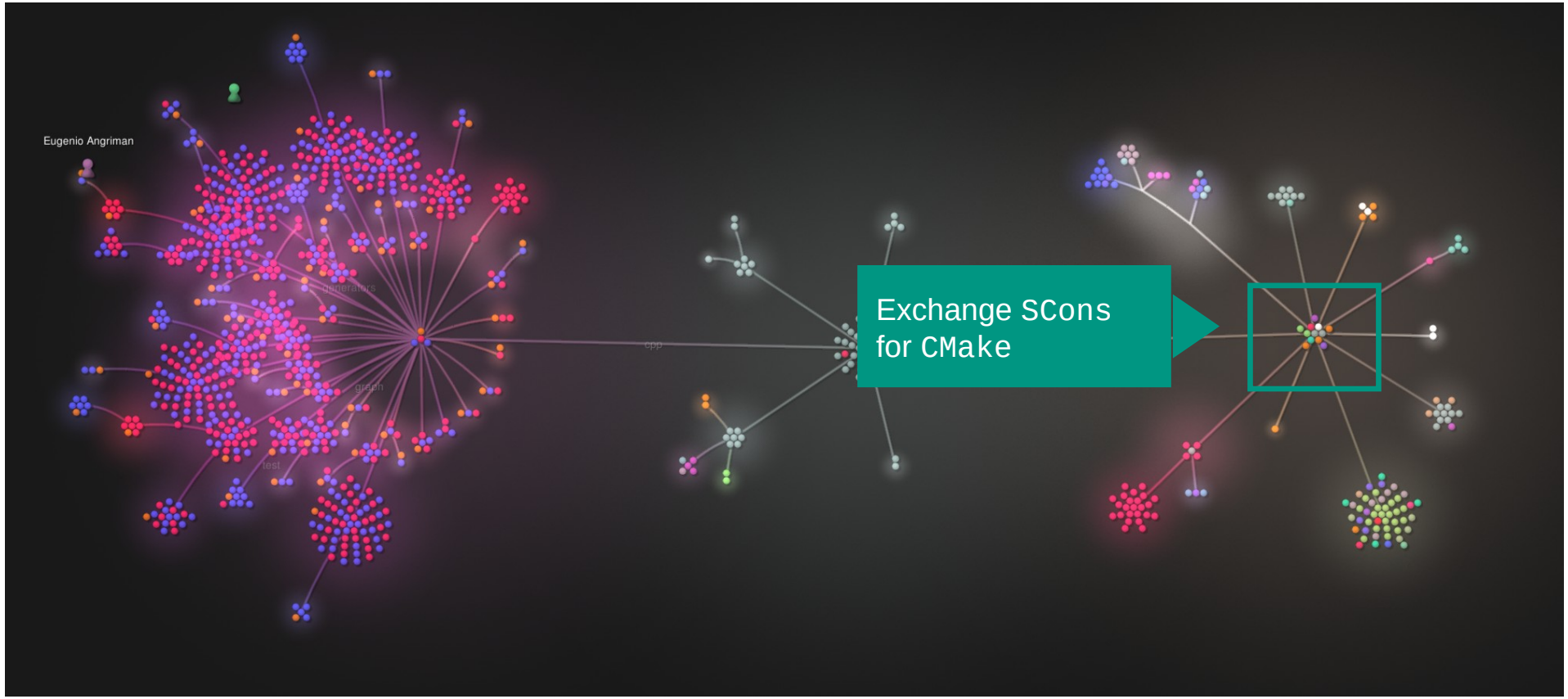
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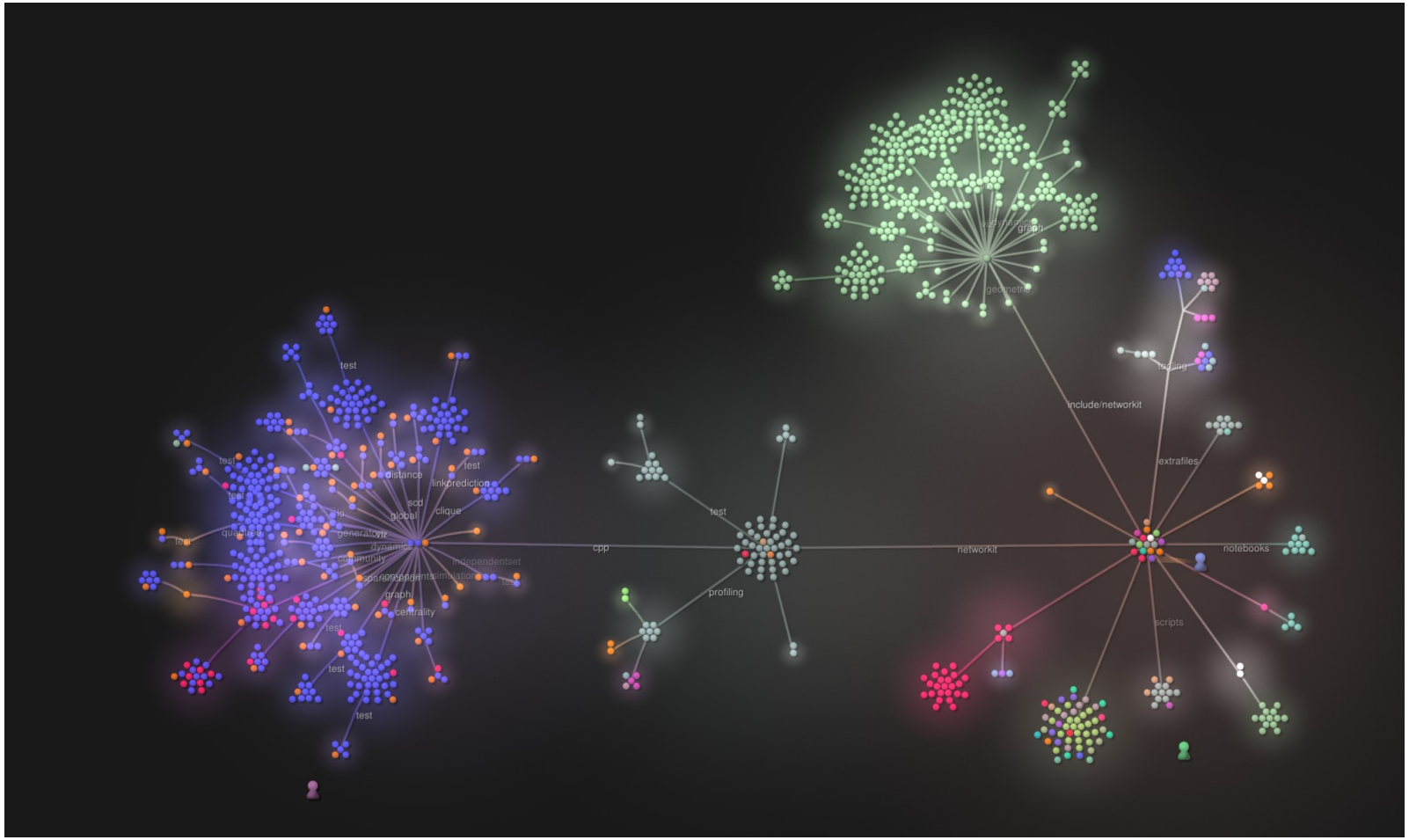
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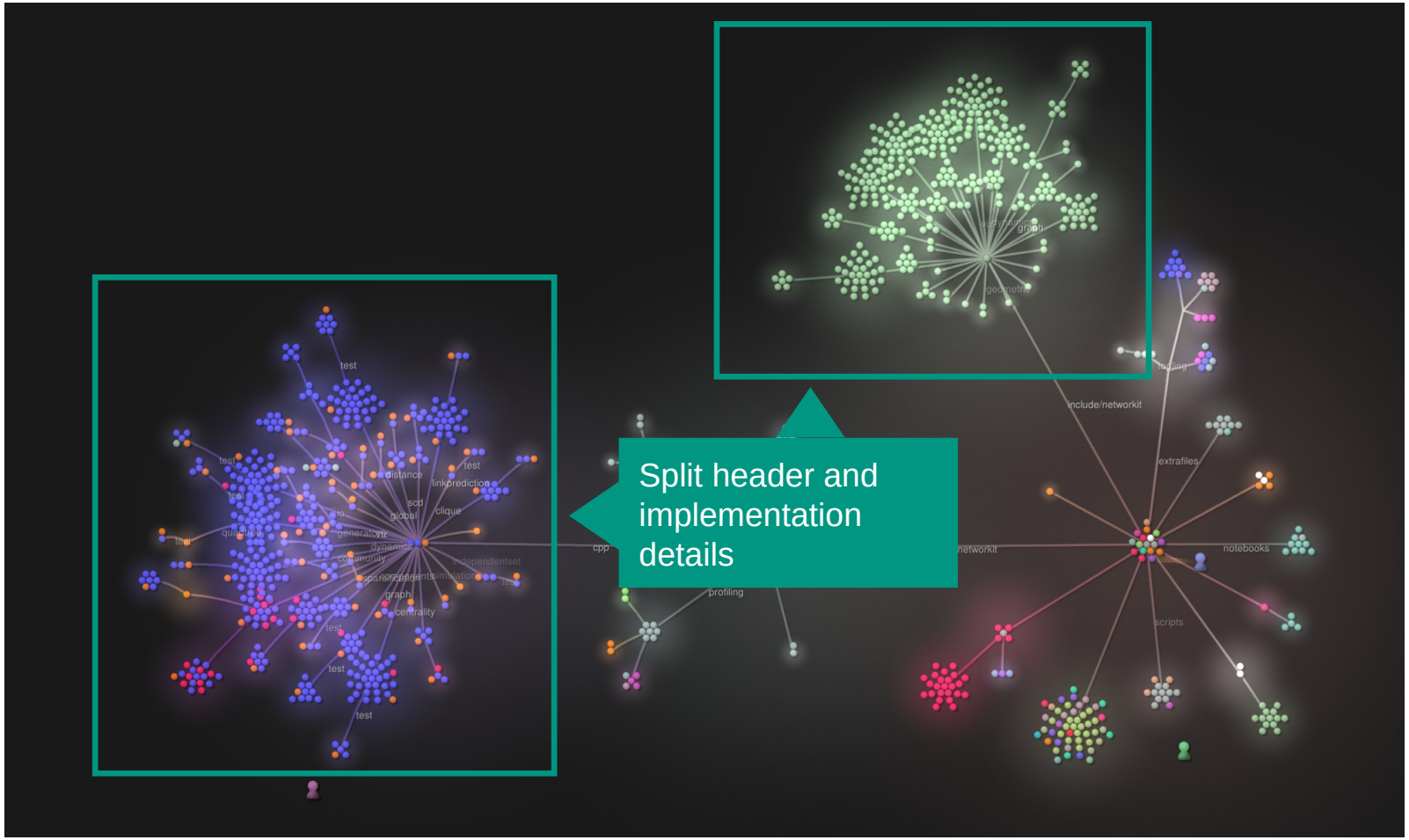
Milestones

November 29th, 2019 - **Release 6.0** (C++ restructure)



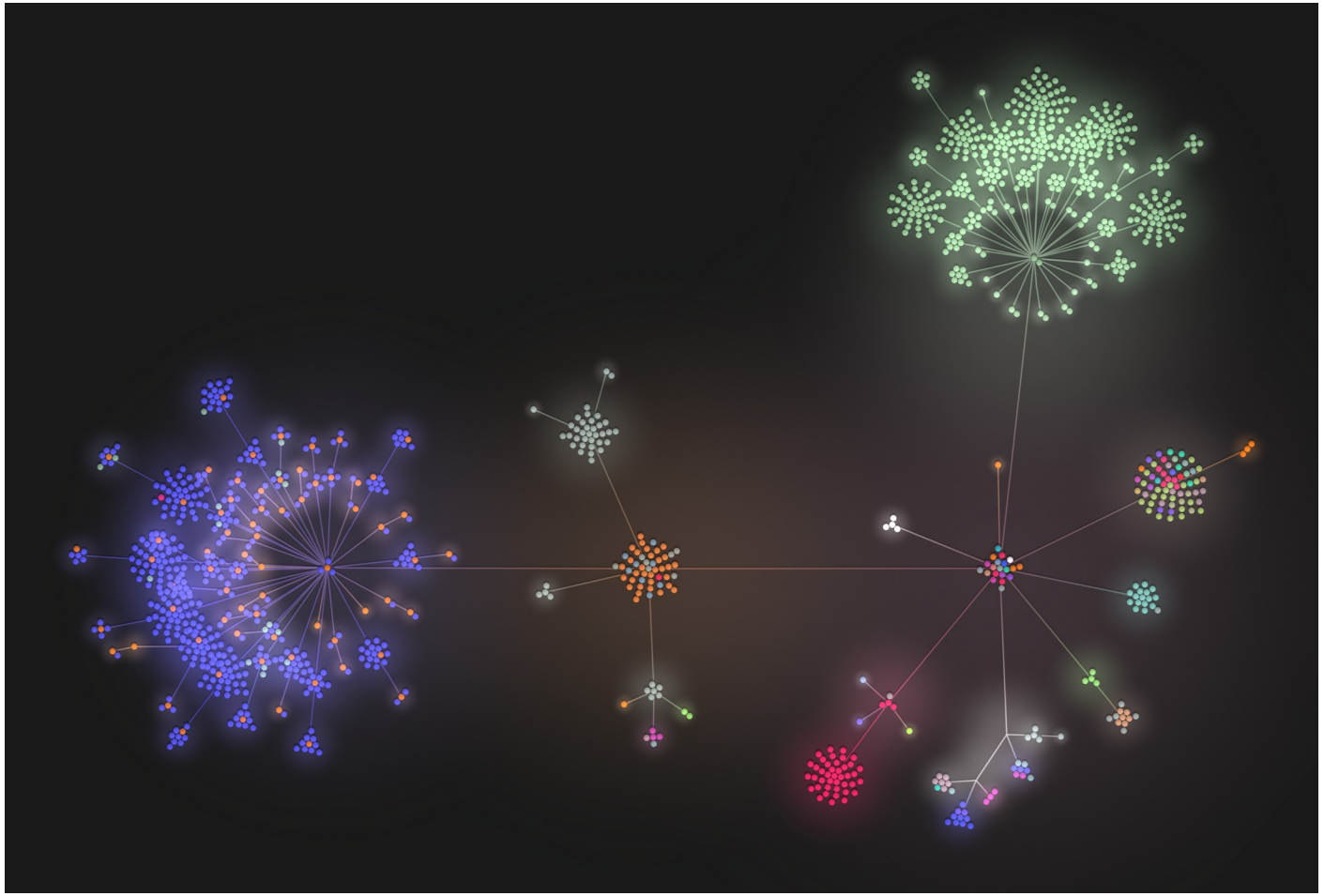
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Milestones

Today – **Release 11.3**



NetworKit in Figures

2026

9 720
Commits

40
Python modules

489
Citations

90k/m
Downloads,
1k+ user base

263
Forks

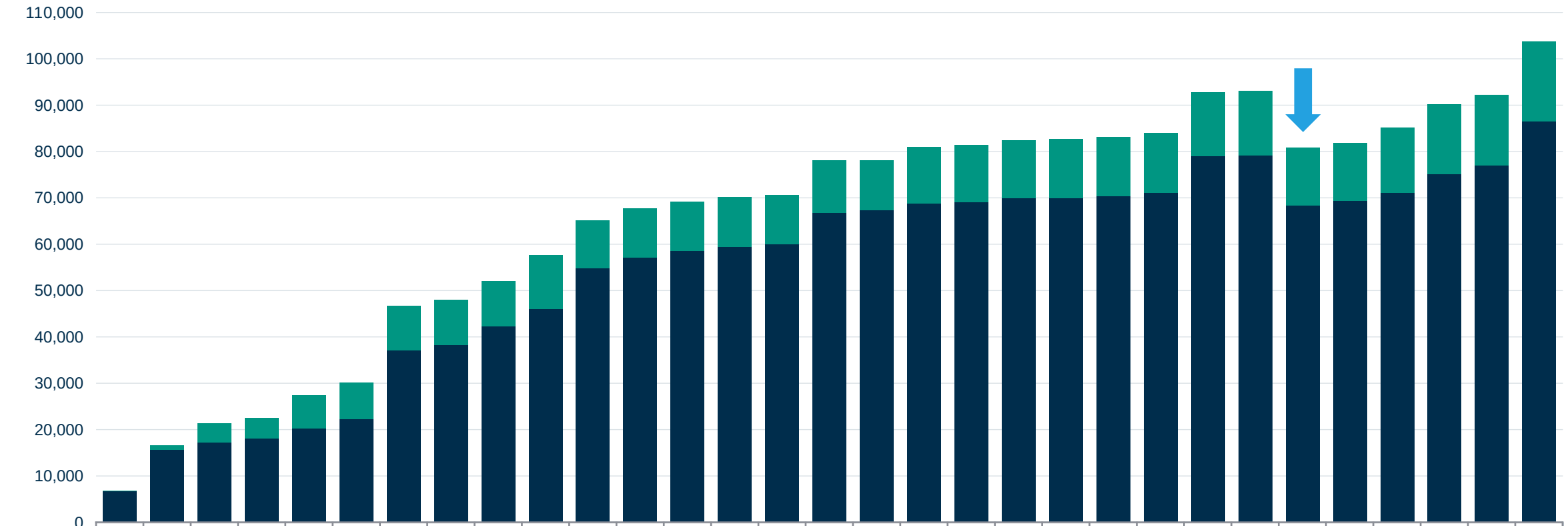
228
Algorithms

81
Contributors

103 000
Lines of Code

81%
coverage

Lines of Code



	1.0	2.0	3.0	3.1	3.2	3.3	3.4	3.5	3.6	4.0	4.1	4.2	4.3	4.4	4.5	4.6	5.0	6.0	6.1	7.0	7.1	8.0	8.1	9.0	9.1	10.0	10.1	11.0	11.1	11.2	11.3
LoC (C++)	6701	15620	17207	18063	20285	22287	37173	38309	42341	46126	54778	57172	58587	59414	60059	66746	67379	68735	69129	69969	69932	70359	71116	79069	79158	68466	69452	71102	75115	77067	86516
LoC (Python)	32	981	4158	4356	7111	7785	9606	9780	9786	11570	10355	10531	10637	10793	10588	11312	10655	12197	12284	12476	12769	12737	12871	13683	13833	12392	12442	14000	15041	15155	17158

Thank you!

Questions?

networkit.github.io · github.com/networkit/networkit