

ALBERTO COTTICA, STEFANO DURÌ, FEDERICO PIOVESAN – SPAGHETTI OPEN DATA

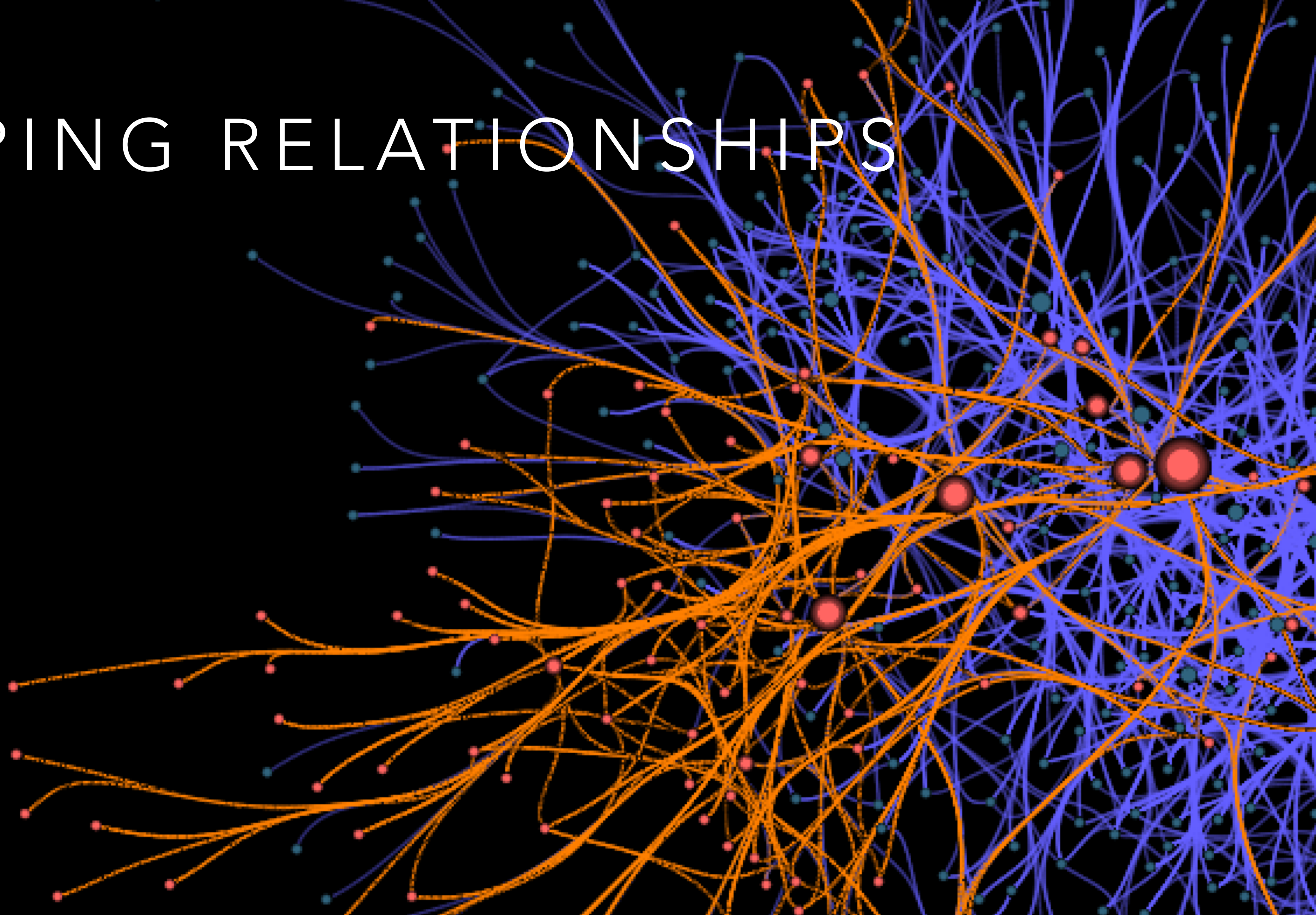
THE HORIZON 2020 NETWORK



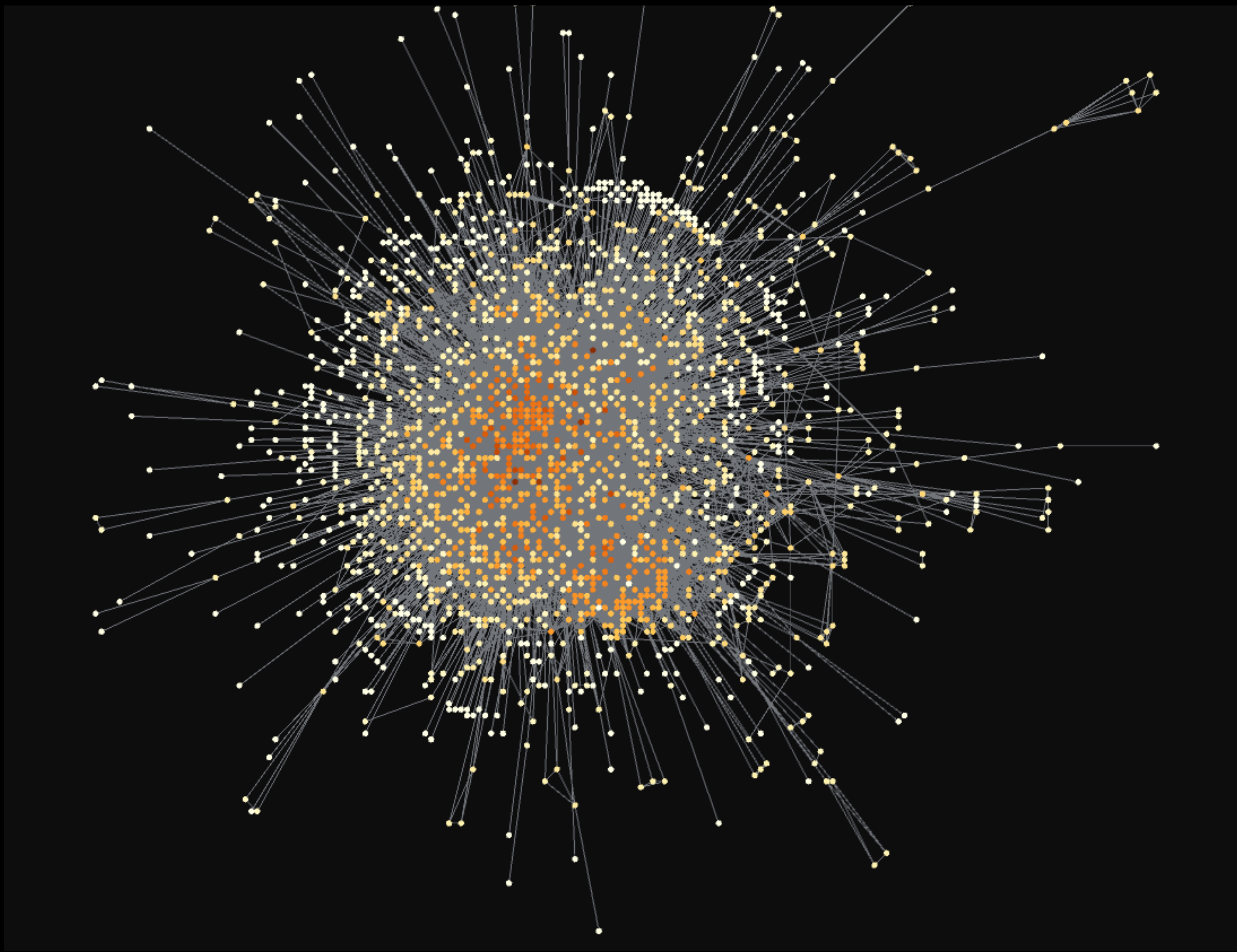
THE DATA

- [HTTPS://OPEN-DATA.EUROPA.EU/EN/DATA/DATASET/CORDISFP7PROJECTS](https://open-data.europa.eu/en/data/dataset/cordisfp7projects)
- [HTTPS://OPEN-DATA.EUROPA.EU/EN/DATA/DATASET/CORDIS-H2020PROJECTS-UNDER-HORIZON-2020-2014-2020](https://open-data.europa.eu/en/data/dataset/cordis-h2020projects-under-horizon-2020-2014-2020)

MAPPING RELATIONSHIPS

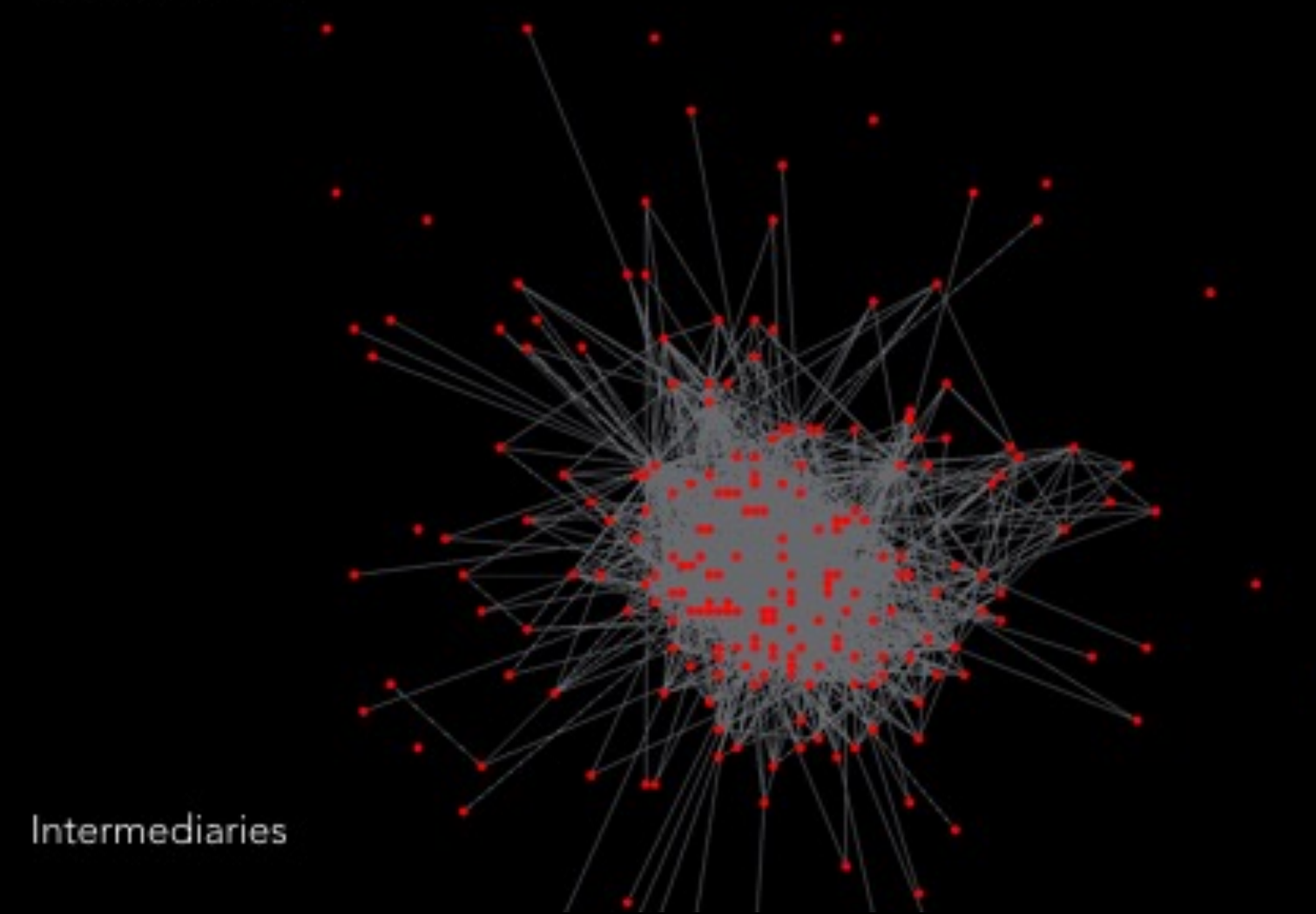
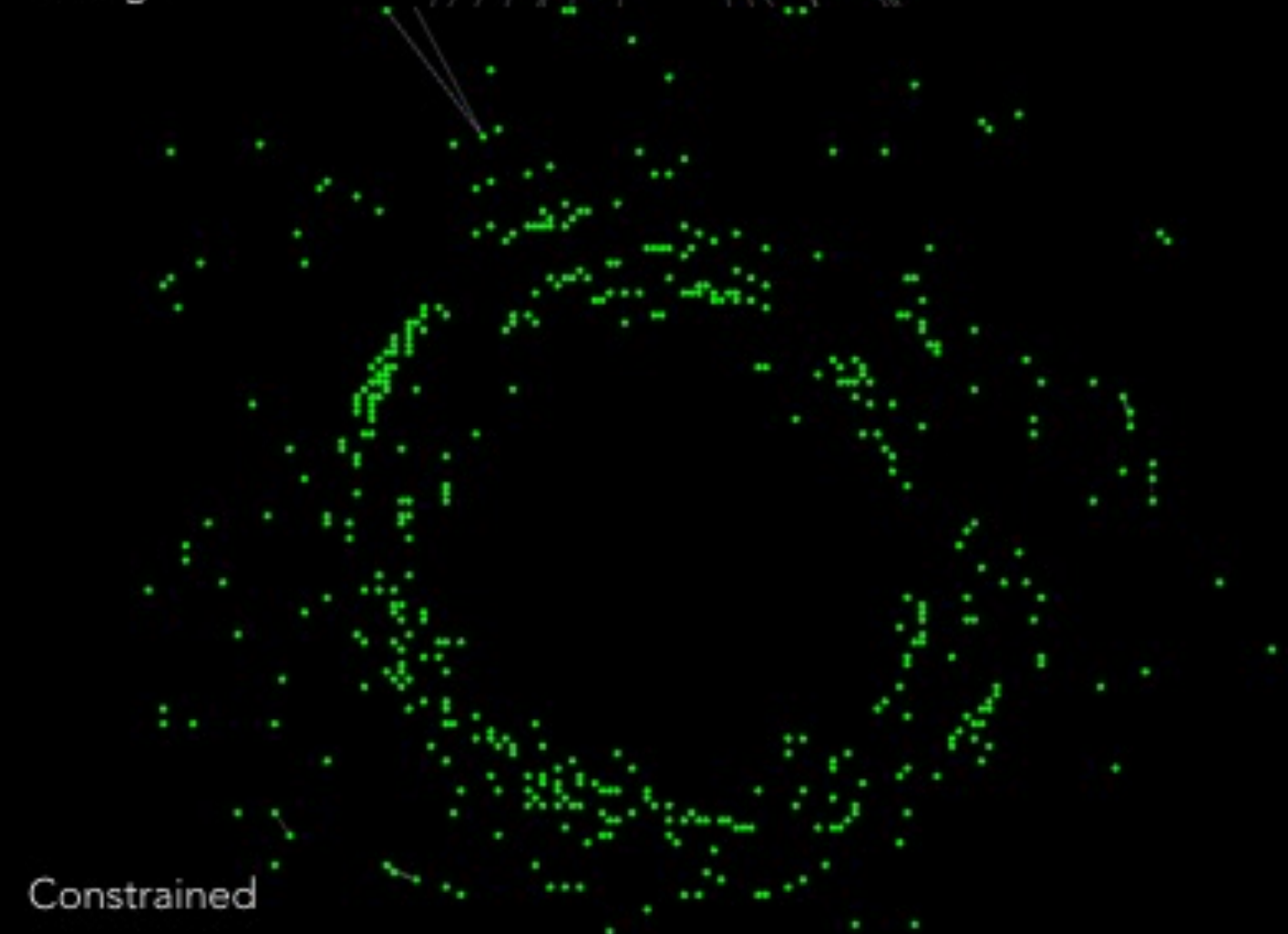
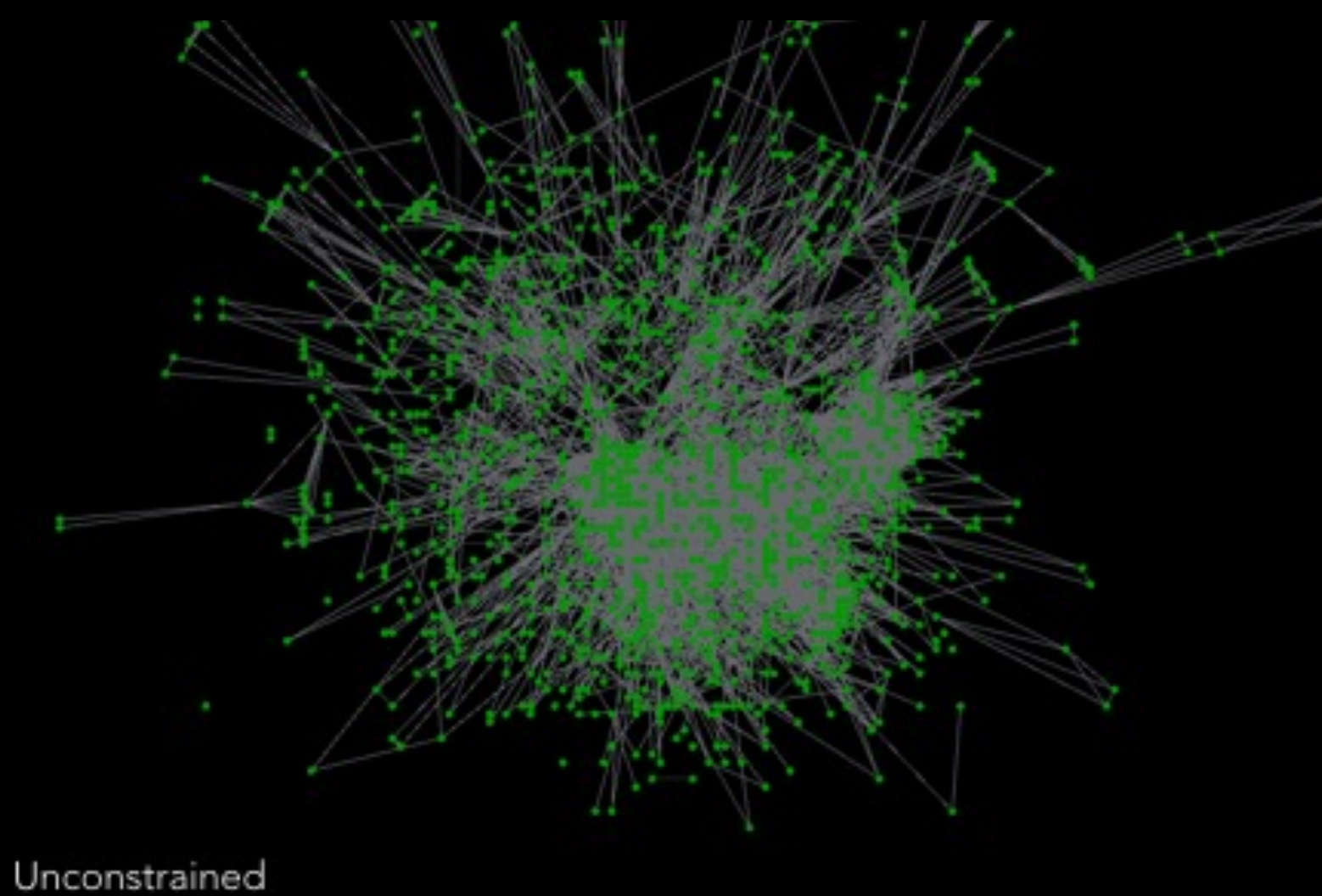
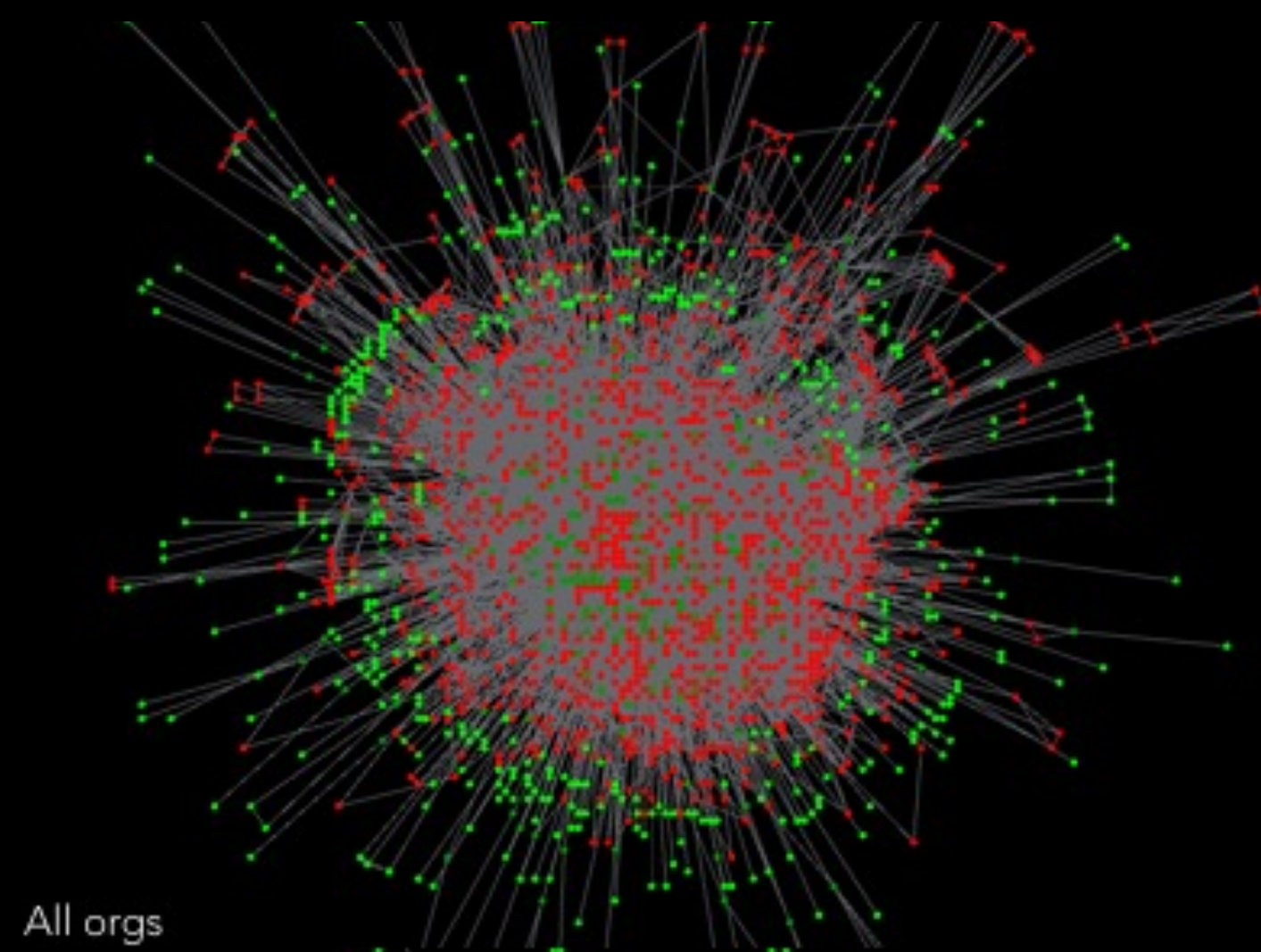


THE STABLE PARTNERSHIP GRAPH



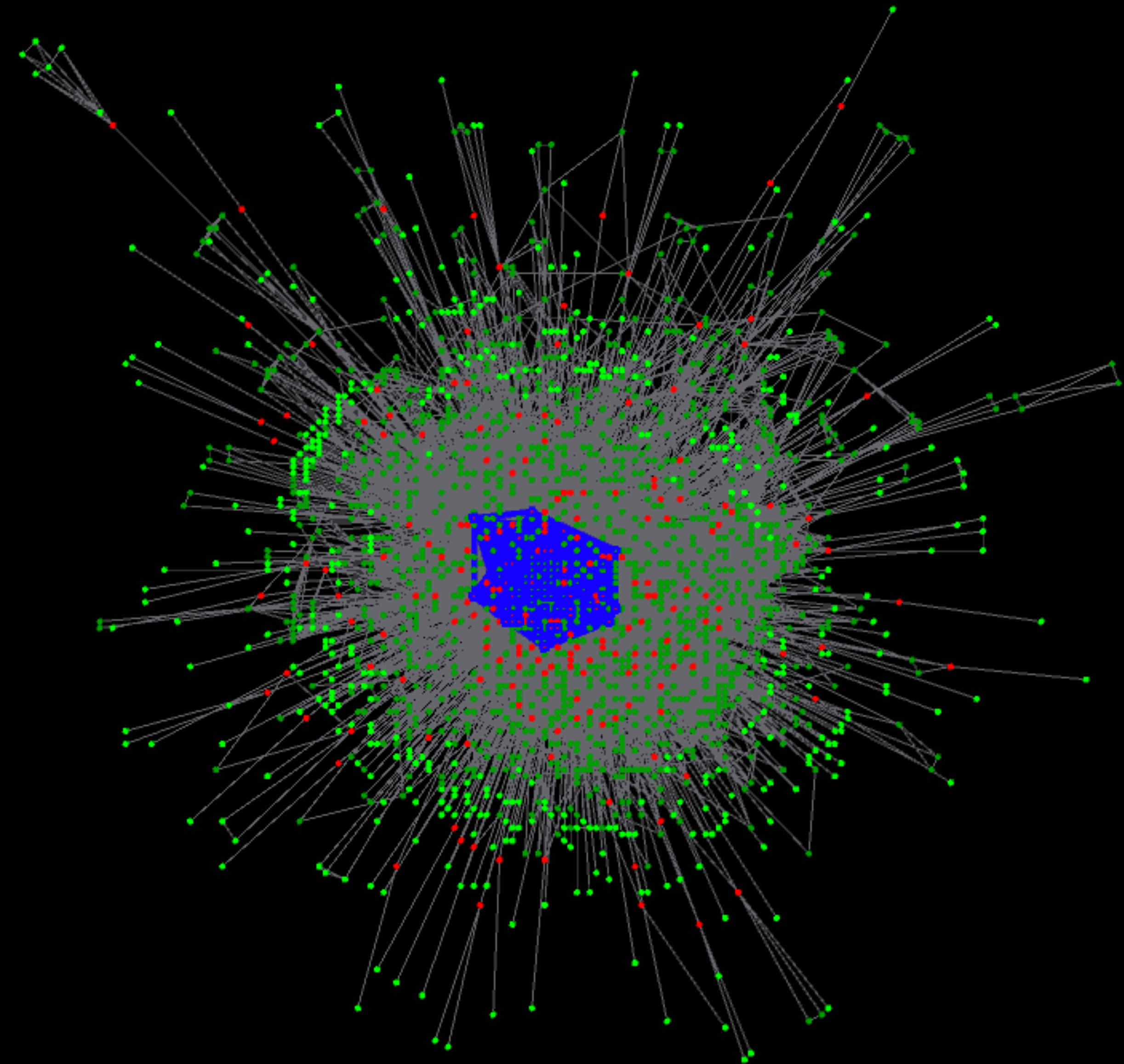
Color => degree
(logarithmic)

INTERMEDIATION



DEATH STARS

- HIGHLY COHESIVE STRUCTURE (K-CORE) AT THE HEART OF THE NETWORK
- 78 ORGANISATIONS WITH 2,778 STABLE PARTNERSHIPS
- ALMOST ALL ARE PUBLIC: LARGE UNIS, LARGE RESEARCH CENTRES: FRAUNHOFER, CNRS, CNR, OXFORD....
- SIMILAR STRUCTURE IN FP7



INTERACTIVE DASHBOARD

- [BIT.LY/EU-RESEARCH-FUNDING-NETWORK](https://bit.ly/eu-research-funding-network)



Photo: I Nancy

DATA ISSUES

- ABOUT 30% OF ORGANISATIONS LACK A UNIQUE IDENTIFIER.
- NO MEASURE OF EFFORT (PERSON-MONTHS) IS PUBLISHED.
- NO MEASURE OF ORGANISATIONAL STRENGTH (EG. NUMBER OF RESEARCHERS, TURNOVER) IS PUBLISHED.
- TAX IDs (NOT RELEASED) WOULD ALLOW TO LINK THESE NETWORK DATA TO OTHER DESCRIPTIVE INFORMATION.



Photo: Bark

CAN WE HELP, EUROPEAN COMMISSION?



Photo: Marco Giacomassi

THANKS FOR LISTENING

- PENTAHO KETTLE FOR DATA CLEANUP
- PYTHON + TULIP FOR GRAPH MANIPULATION
- JAVASCRIPT + SIGMA.JS FOR THE INTERACTIVE DASHBOARD



Photo: I Nancy