



Dynamics and Structure of Networks

Fact Sheet

Project Information

DYNASNET

Grant agreement ID: 810115

[Project website](#)

DOI

[10.3030/810115](https://doi.org/10.3030/810115)

EC signature date

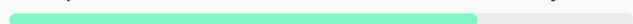
13 February 2019

Start date

1 September 2019

End date

28 February 2027



Funded under

EXCELLENT SCIENCE - European Research Council (ERC)

Total cost

€ 9 315 424,00

EU contribution

€ 9 315 424,00

Coordinated by

HUN-REN RENYI ALFRED
MATEMATIKAI KUTATOINTEZET



Hungary

Project description

A sound theory for analysing the complex behaviour of dynamic networks

Networks permeate virtually all areas of science and technology, from the internet to social networks and the genetic networks that determine our existence. The aim of the EU-funded DYNASNET project is to engage leading experts in network science and graph theory to build a mathematically sound theory of dynamic networks. The aim is to better analyse, predict and control the behaviour of real networks. Both network science and graph theory have achieved notable progress over the past decade: network science has offered a data-based topological approach for modelling complex networks. The project's work could rewrite our understanding of complex systems, with applications in a wide array of fields.

Keywords

[Graph limit](#)

[Dynamic network](#)

[Processes on graphs](#)

[Network science](#)

[Complex Systems](#)

[Network Biology](#)

Programme(s)

[H2020-EU.1.1. - EXCELLENT SCIENCE - European Research Council \(ERC\)_](#)

MAIN PROGRAMME

Topic(s)

[ERC-2018-SyG - ERC Synergy Grant](#)

Call for proposal

[ERC-2018-SyG](#)

[See other projects for this call](#)

Funding Scheme

[ERC-SyG - Synergy grant](#)

Host institution



HUN-REN RENYI ALFRED MATEMATIKAI KUTATOINTEZET

Net EU contribution

€ 3 484 324,00

Total cost

€ 3 484 324,00

Address

REALTANODA STREET 13-15

1053 Budapest



Hungary



Region
Közép-Magyarország > Budapest > Budapest

Activity type
Other

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Beneficiaries (3)



HUN-REN RENYI ALFRED MATEMATIKAI KUTATOINTEZET

Hungary
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Total cost
€ 3 484 324,00



UNIVERZITA KARLOVA

Czechia
Net EU contribution
€ 2 031 250,00

Address

OVOCNY TRH 560/5
116 36 Praha 1 

Region

Česko > Praha > Hlavní město Praha

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 2 031 250,00



CEU GMBH

 Austria

Net EU contribution

€ 3 799 850,00

Address

QUELLENSTRASSE 51

1100 Wien 

Region

Ostösterreich > Wien > Wien

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 3 799 850,00

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Permalink: <https://cordis.europa.eu/project/id/810115>

