



Sustainable energy Positive & zero cARbon CommunitieS



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Forsendur í áherslum Reykjavíkur

- Stutt verður við orkuskipti í samgöngum og stuðlað að aukinni hlutdeild rafvæðra samgangna í samvinnu við Orkuveitu Reykjavíkur (OR)
- Unnið verði að snjallvæðingu bygginga og innviða borgarinnar til að stuðla að orkusparnaði og draga úr sóun auðlinda, m.a. í samvinnu við Félagsbústaði
- Reykjavíkurborg vinni með OR að hugmyndum um uppsetningu hleðslustöðva í hverfum.
- Að skipulag hverfa stuðli að sjálfbærari nýtingu orku og auðlinda svo sem vatns, rafmagns og lands
- Að sjálfbær nýting auðlinda verði tryggð





Þátttaka Reykjavíkur í rannsókna og nýsköpunaráætlun ESB – H2020

Excellence Science	Industrial Leadership	Societal Challenge
<ul style="list-style-type: none"> ■ European Research Council Frontier research by the best individual teams (ERA) ■ Future and Emerging Technologies Collaborative research to open new fields of innovation ■ Marie Skłodowska Curie Actions Opportunities for training and career development ■ Research Infrastructures (Including e-infrastructure) Ensuring access to world-class facilities 	<p>Leadership in enabling and industrial technologies</p> <ul style="list-style-type: none"> ■ ICT ■ Nanotechnologies materials, biotechnologies, manufacturing ■ Space ■ Access to risk finance Leveraging private finance and venture capital for research and innovation ■ Innovation in SMEs Fostering all forms of innovation in all types of SMEs 	<ul style="list-style-type: none"> ■ Health, demographic change and wellbeing ■ Food security, sustainable agriculture, marine and maritime research, and the bio-economy ■ Secure, clean and efficient energy ■ Smart, green and integrated transport ■ Climate action, resource efficiency and raw materials ■ Europe in a changing world – inclusive, innovative, reflective societies ■ Secure Societies

- European Institute of Innovation and Technologies (EIT)
- Spreading Excellence and Widening Participation
- Science with and for society
- Joint Research Center (JRC)
- Euratom
- Fast Track to Innovation



€15,000



Populism and Civic Engagement

€326,875 (Reykjavík)

€299,937 (Citizens Foundation)

} €626,812



Sustainable energy Positive & zero cARbon Communities

€624,469 (Reykjavík)

€538,300 (OR)

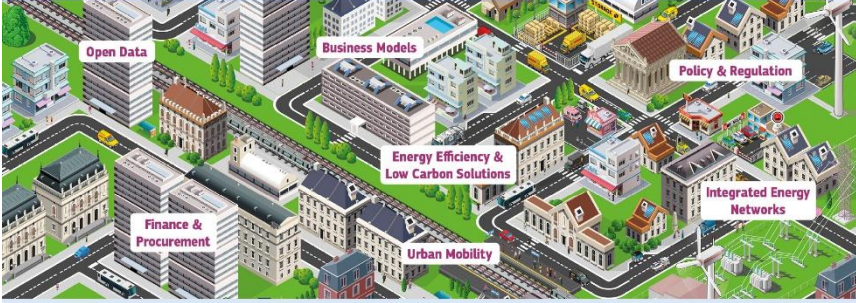
} €1,162,769



Snjallborgin og samfélagið


- Orkuskipti og orkunýting í borgum
- Kolefnisjöfnun
- Sjálfbærar samgöngur
- Stefnumótun
- Borgarskipulag og borgarhönnun
- Sjálfbærni
- Innviðir og samhæfing innviða
- Gagnamál t.d. opin gögn, gríðargögn, viðskiptagreind
- Viðskiptalíkön og innkaup
- Árangursvísar

European Innovation Partnership **Smart Cities & Communities**
Invitation for Commitments




1 Smart Cities and Community a European Innovation Partnership

How to make our cities smarter?
The Partnership integrates the **ICT**, **energy** and **transport** sectors. It aims to apply innovative solutions to tackle issues such as **congestion**, **air pollution**, **high energy costs** and to achieve **better mobility**, **cleaner urban environment**, **energy efficiency**.



2 Meet our Partners


In 2014, **370 commitments** around smart city projects & solutions were submitted by more than **3000 partners**. The lead organisations come from **31 countries**.




Classification of lead organisations

Private individuals	2%
NGOs	6%
Business	26%
Others	14%
Public Authorities	36%
Academic/Research Institutions	16%

3 Some of the areas we are working on

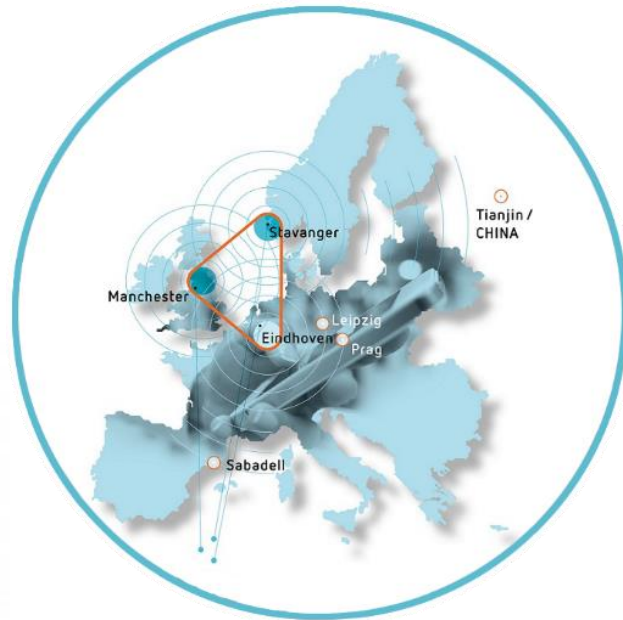


Learn more, join ec.europa.eu/eip/smartcities/
follow us [@EUSmartCities](https://twitter.com/EUSmartCities)

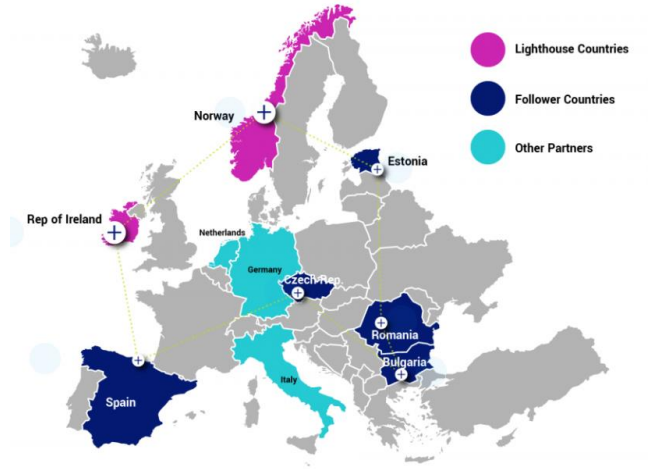




Evrópskar Kyndilborgir



<https://www.triangulum-project>



<https://cityxchange.eu/>



<https://smartency.eu/>

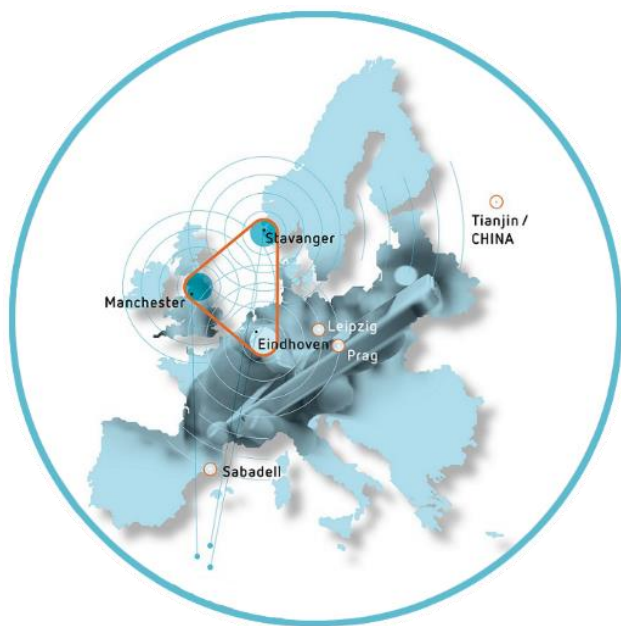


<http://www.remourban.eu/>



Dæmi um hagnýtingu og ávinning

triangulum
DEMONSTRATE · DISSEMINATE · REPLICATE

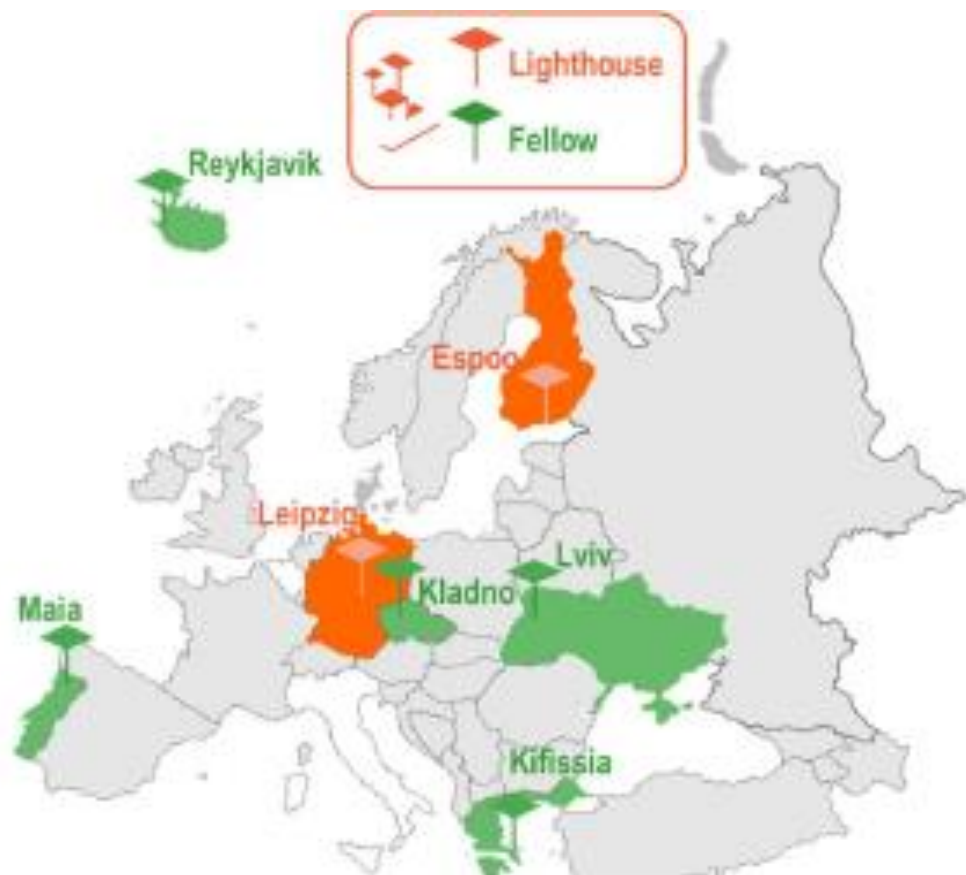


<https://www.triangulum-project.eu/>



A project partnership demonstrating how technology can improve sustainable mobility, energy, IT and business has won Public Building Energy Project of the Year at the 2018 Energy Awards.

SPARCS verkefnið



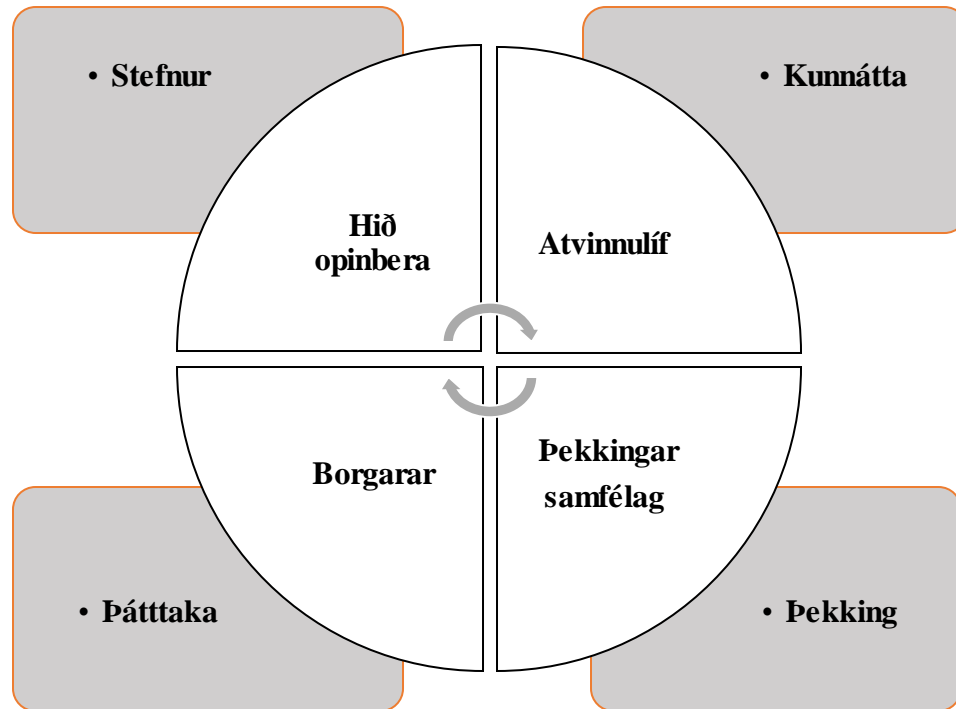
Kyndilborgir

- Espoo (Finnland)*
- Leipzig (Þýskaland)*

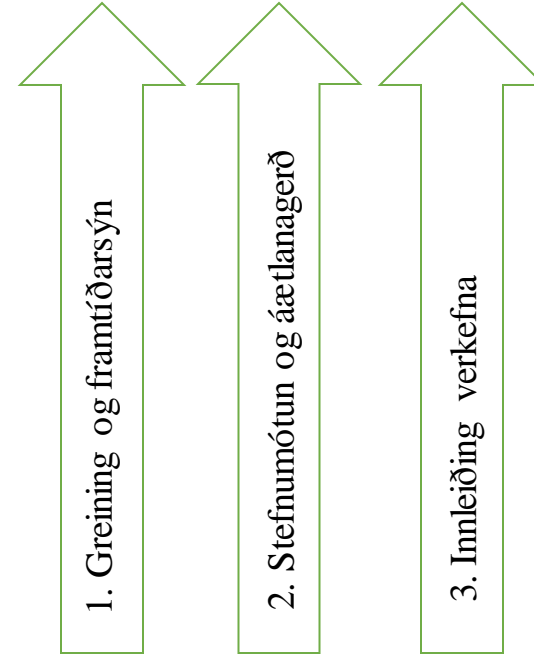
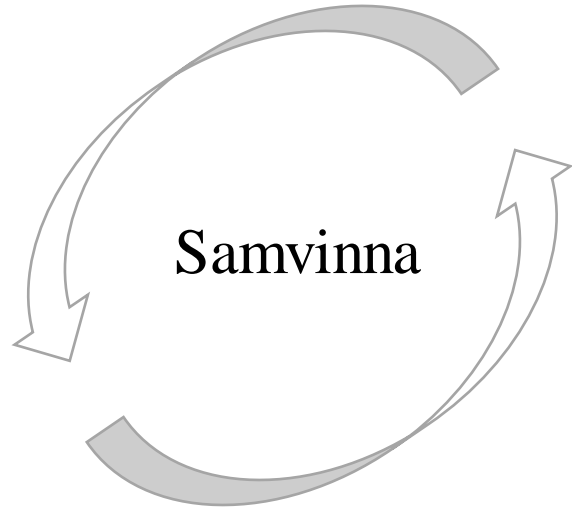
Samstarfsborgir

- Reykjavík*
- Maia (Portugal)*
- Kladno (Tékkland)*
- Lviv (Úkraína)*
- Kifissia (Grikkland)*

Fjórfeldi samstarfs og nýsköpunar



Samstarfsaðilar Reykjavíkur í SPARCS	Ríki
Teknologistan Tutkimuskeskus (VTT) (coordinator)	Finnland
Espoon Kaupunki	Finnland
Stadt Leipzig	Þýskaland
Camara Municipal da Maia	Portúgal
Reykjavíkurborg	Ísland
Stautami Mesto Kladno	Tékkland
Municipality of Kifissia	Grikkland
Lviv City Council	Þýskaland
Kone OYJ	Finnland
Siemens Osakeyhtiö	Finnland
Plug-IT Finland OY	Finnland
Citycon OYJ	Finnland
Suoamen Rakennusininöorien Litto RIL RY	Finnland
Adven	Finnland
Fraunhofer Gesellschaft	Þýskaland
BABLE UG	Þýskaland
WSL Wohnen & Services	Þýskaland
Stadwerke Leipzig GMBH	Þýskaland
Cenero Energy GMBH	Þýskaland
University Leipzig	Þýskaland
Sociedade Portuguesa de Inovacao consultadoria empresarial e formento da inovacao	Portúgal
NEW-Centre for New Energy Technologies S.A	Portúgal
Orkuveita Reykjavíkur	Ísland
Ceske Vysoke Uceni Technicke V Praze	Tékkland
Suite 5 Data Intelligence Solutions Limited	Kýpur
ELIN VERD S.A	Grikkland
National Ecological Centre of Ukraine	Úkraína
LCE Lvivavtodor	Úkraína
CiviESCO	Ítalía
Gopa Com	Belgía



Espoo

1. Lausnir og nýsköpun

Nýsköpunarvístkerfi

2. Þróun heildarlausna

Nýtt hagkerfi



Leipzig

3. Virðislíkan og upptaka lausna

Stafræn samhæfing

Rafbílavæðing

Orkuskipti

Heildarlausnir



Umfang og ávinningur

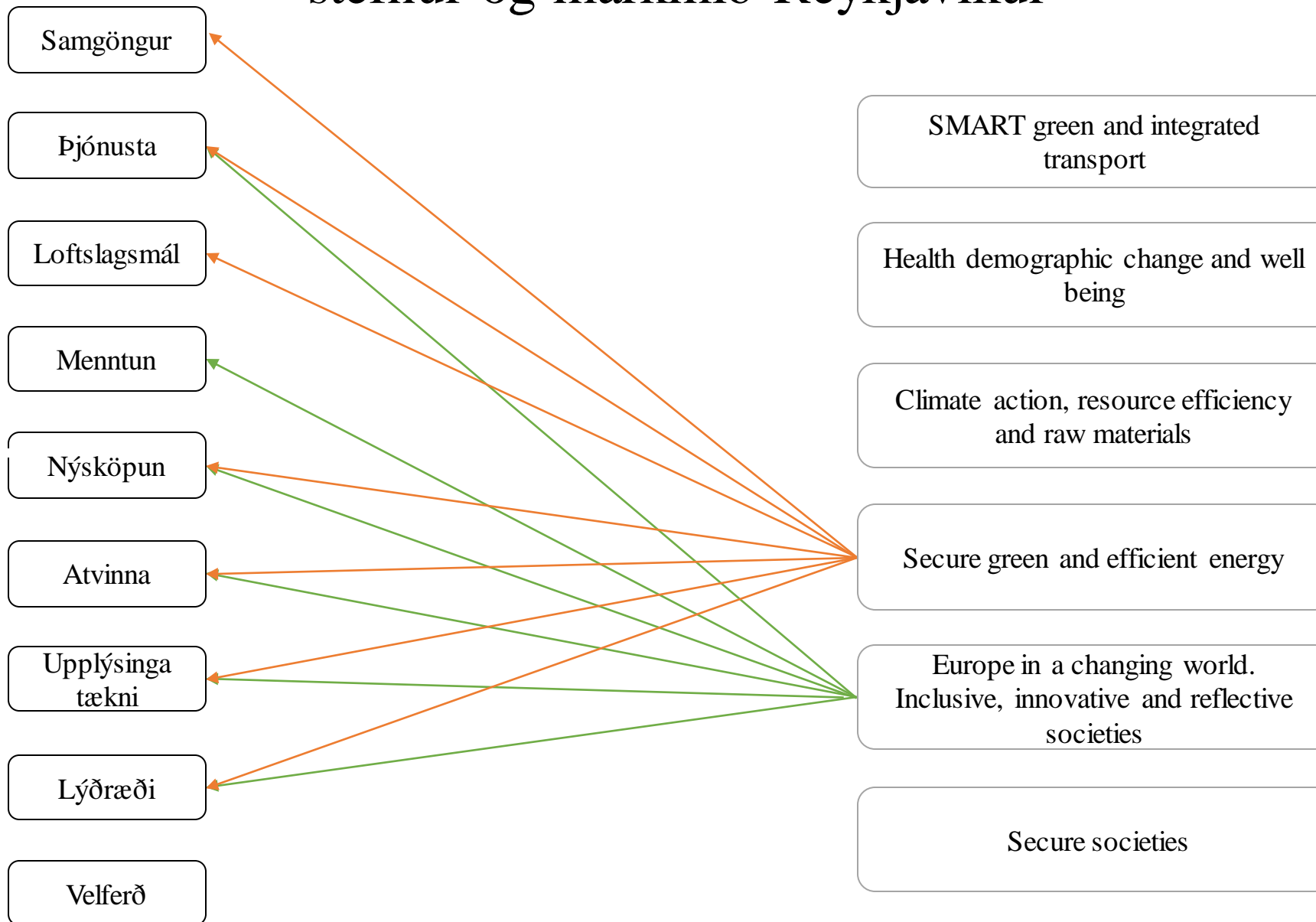


SPARCs Kostnaðarliðir	RVK	OR
Mánuðir unnir	66.5	45
Launakostnaður	€462,175	€468,675
Annar beinn kostnaður	€39,000	€146,525
Óbeinn kostnaður (25%)	€125,294	€153,800
Samanlagður kostnaður	€626,490	€769,000
Styrkhlutfall	100%	70%
Greiddur styrkur frá ESB	€626,469	€538,300

Mátun rannsókna og nýsköpunarverkefna við stefnur og markmið Reykjavíkur



Stefnur



Samfélagslegar áskoranir



Populism and Civic Engagement



Takk fyrir



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