



Social Green

Interreg Europe



European Union
European Regional
Development Fund

Carbon Neutral Social Housing in Europe: Post 2020 Challenges and Opportunities

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Greening the Social Housing Sector: A Regional Agenda

Pedro Móia | CCDR-Norte

pedro.moia@ccdr-n.pt



**About Norte Region and
the SOCIAL GREEN
project**

CCDR-Norte: a 50 year-old central government body with wide competences at regional level



A public institution whose activity, since 1969, aims at the...

INTEGRATED AND SUSTAINABLE DEVELOPMENT OF THE PORTUGUESE NORTE REGION, CONTRIBUTING TO THE COMPETITIVENESS AND COHESION OF THE NATIONAL TERRITORY



Photo: CCDRN

Norte Region: the main Portuguese NUTS II in terms of population and economic activity...

21.3 thousand km²

3.6 million inhabitants

57.2 B€ GDP

121k students in higher education

143 km of Atlantic coastline

4 UNESCO World Heritage Sites

10.8 million pax/year in Porto airport



... and one of the most dynamic EU regions regarding European Territorial Cooperation (ETC)

NORTE REGION IN THE INTERREG EUROPE PROGRAMME:

28 approved projects
(15% of total in Europe)

199 European partners
based in...

97 regions from 24 countries

Partners that cooperate with organisations based in Norte Region

- Location of partner headquarters

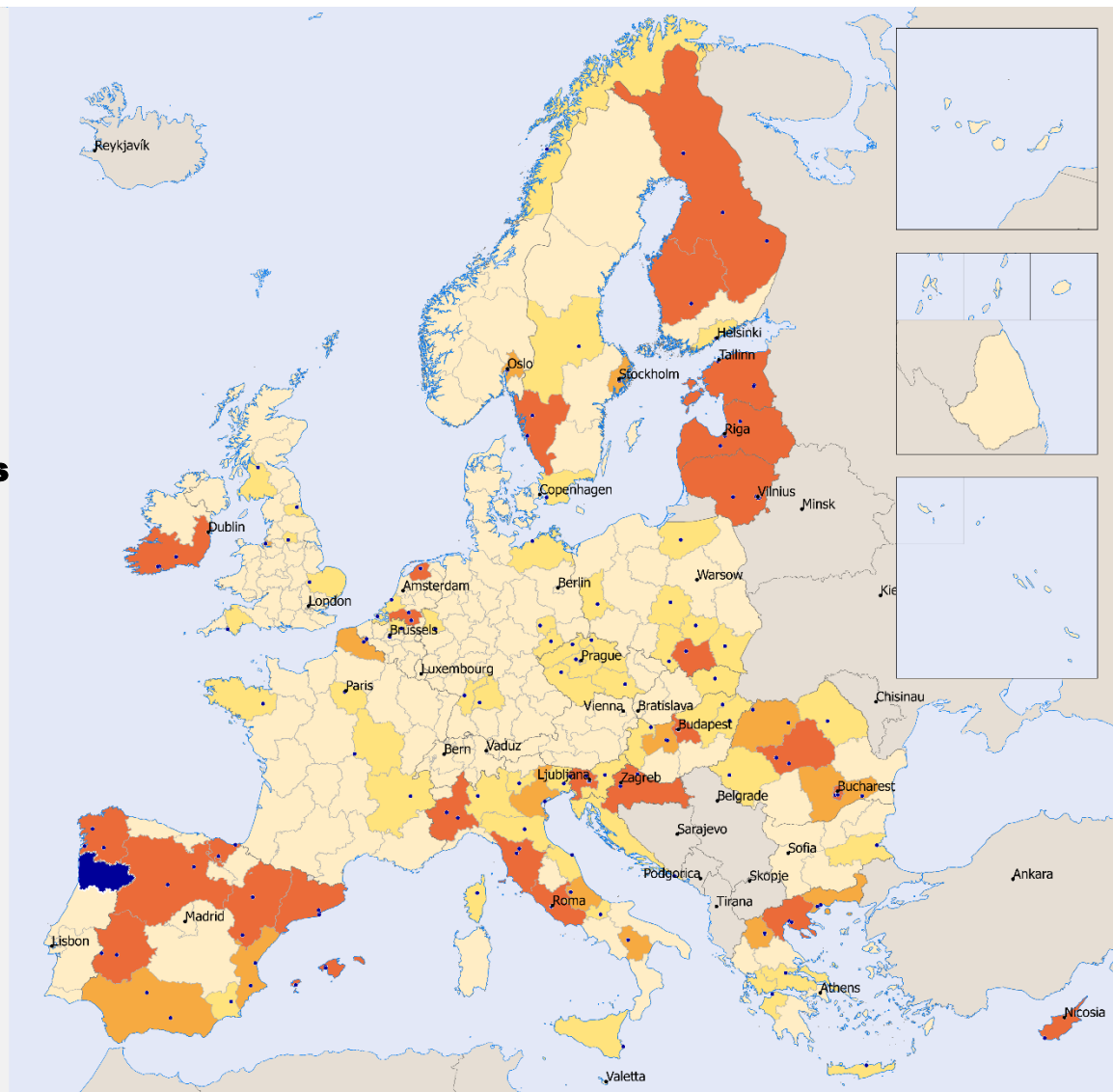
Partners by NUTS II (no)

- 0
- 1
- 2
- 3 or more

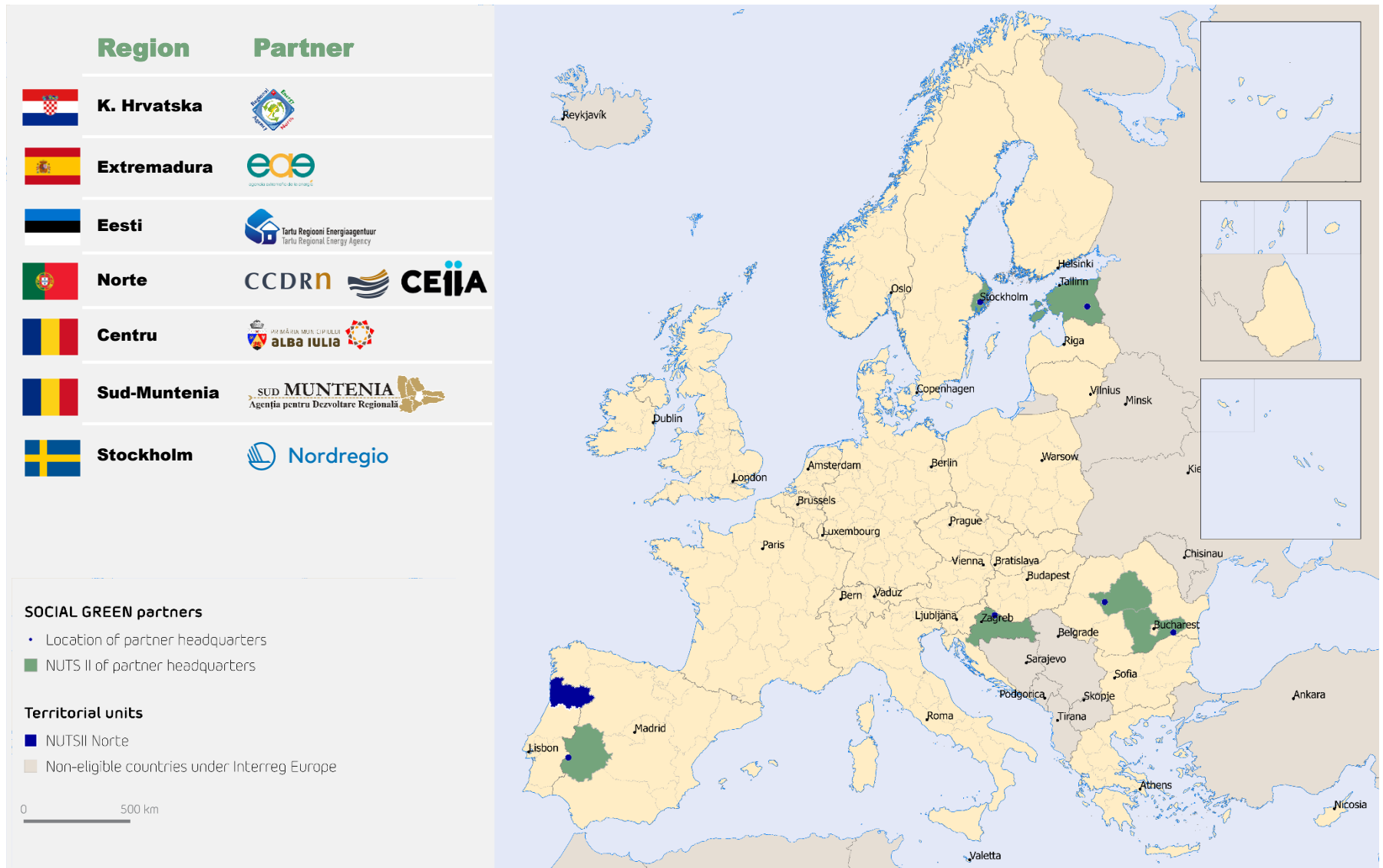
Territorial units

- NUTSII Norte
- Non-eligible countries under Interreg Europe

0 500 km



SOCIAL GREEN joins 8 partners from 7 regions tackling the common challenge of a greener social housing sector



Source: CCDRN (2019), *Greening Social Housing in Norte*, Social Green Regional Action Plan

During Phase 1 of SOCIAL GREEN Norte has been involved in different interregional activities...

PHASE 1



PHASE 2

Selection of interregional activity indicators (all partners):



6 Interregional meetings/learning events



4 Reports and technical articles published in Interreg Europe's website



13 Good practices published in the Policy Learning Platform



...and developed several initiatives at the regional level

PHASE 1



PHASE 2

Selection of regional-level activity indicators (Norte):



6

Local Stakeholder Group meetings



30

Stakeholders involved

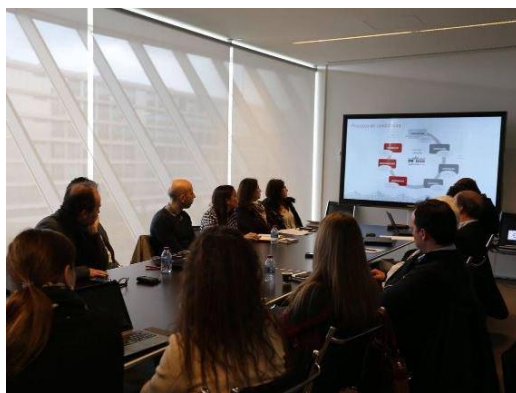
From over 15 regional and national organisations



1

Regional Action Plan

focused on the improvement of the Regional Operational Programme NORTE 2020

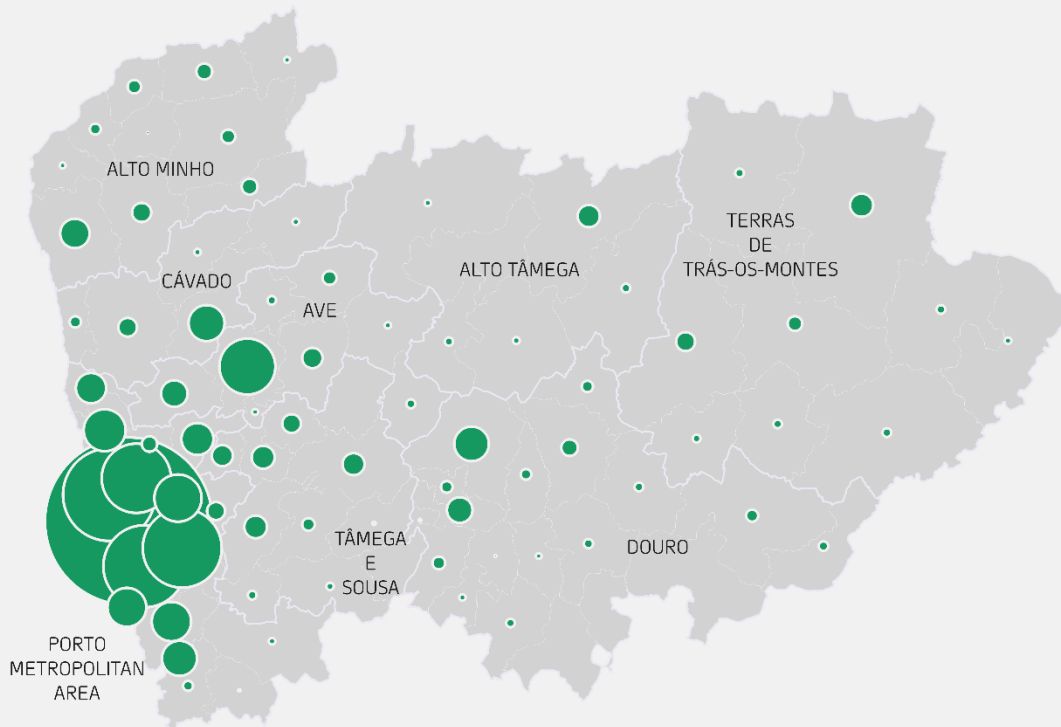


**NORTE
2020**

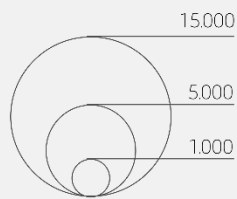


Energy efficiency and social housing in Norte: regional specificities

Social housing in Norte basic overview



Social Housing Dwellings (no)



0 25 km

41.949

Social housing dwellings in Norte in 2015

- 79%** Located in Porto Metropolitan Area
- 9%** Rehabilitated in 2015
- 5%** Energy certified

6.106

Social housing buildings in Norte in 2015

- 33%** Built prior to the 1980s
- 84%** Entirely owned by municipalities

Low household income



9.916 €
of median disposable income



16.351 €
of median disposable income

Eurostat (2016)

Photo: CCDRN

High household energy prices



0,24 €/kWh for electricity

0,30 (in PPS)



0,20 €/kWh for electricity

0,21 (in PPS)

Eurostat (2016)



0,09 €/kWh for gas

0,12 (in PPS)



0,06 €/kWh for gas

0,06 (in PPS)

Eurostat (2016)

High incidence of fuel poverty



23,6% of residents
unable to keep homes warm



11,2% of residents
unable to keep homes warm

www.energypoverty.eu



Photo: <https://unsplash.com>

Specific climatic conditions in EU context

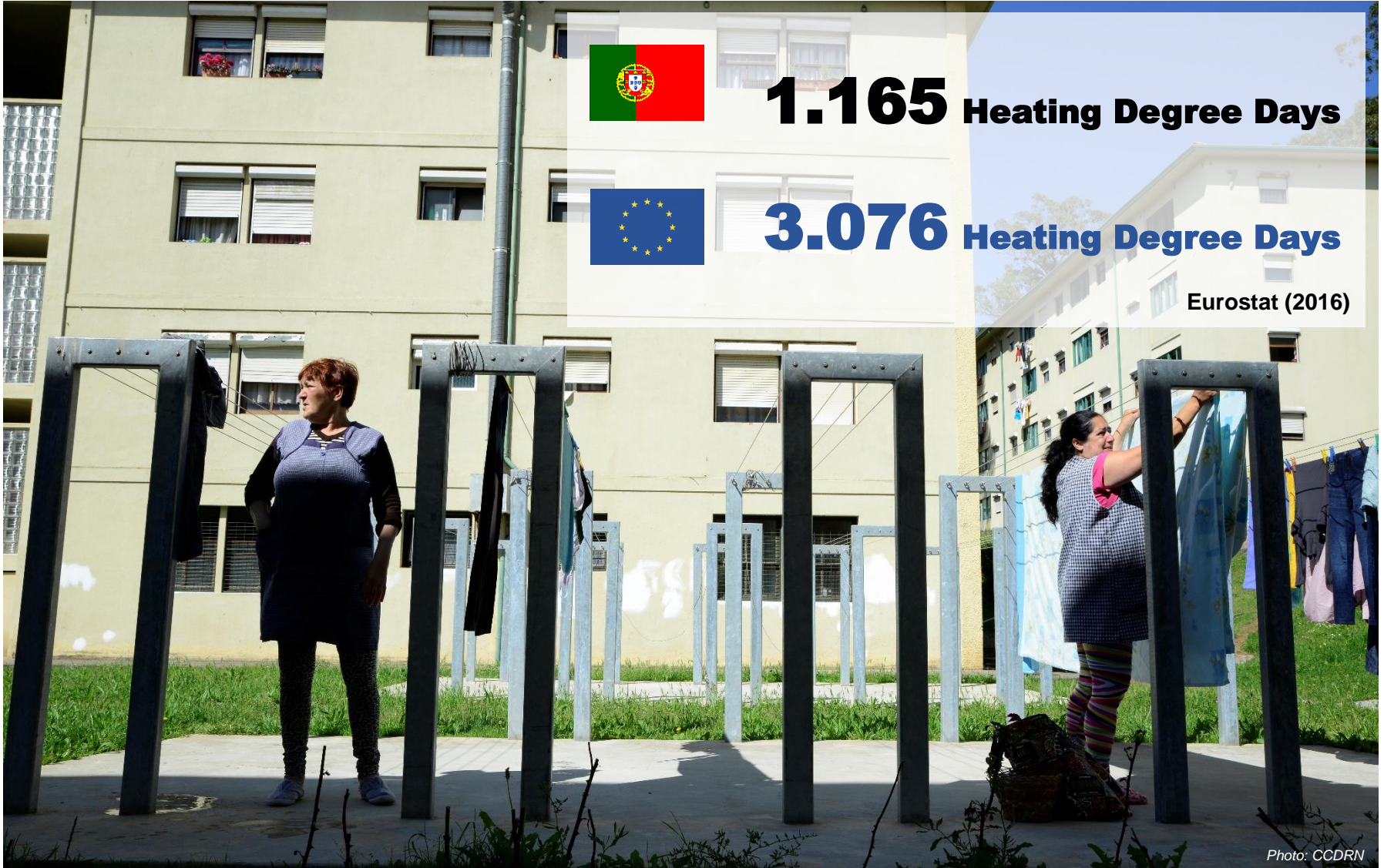


1.165 Heating Degree Days



3.076 Heating Degree Days

Eurostat (2016)



Specific energy-related behaviour in EU context



Culturally more prone to **adapt to thermal discomfort** in the indoor environment

Extremely low levels of energy consumption for heating and cooling in households



22,0% of energy used in housing sector for heating and cooling



67,5% of energy used in housing sector for heating and cooling

INE/DGEG (2010)



70 € used **annually** on average to heat and cool the indoor environment

INE/DGEG (2010)

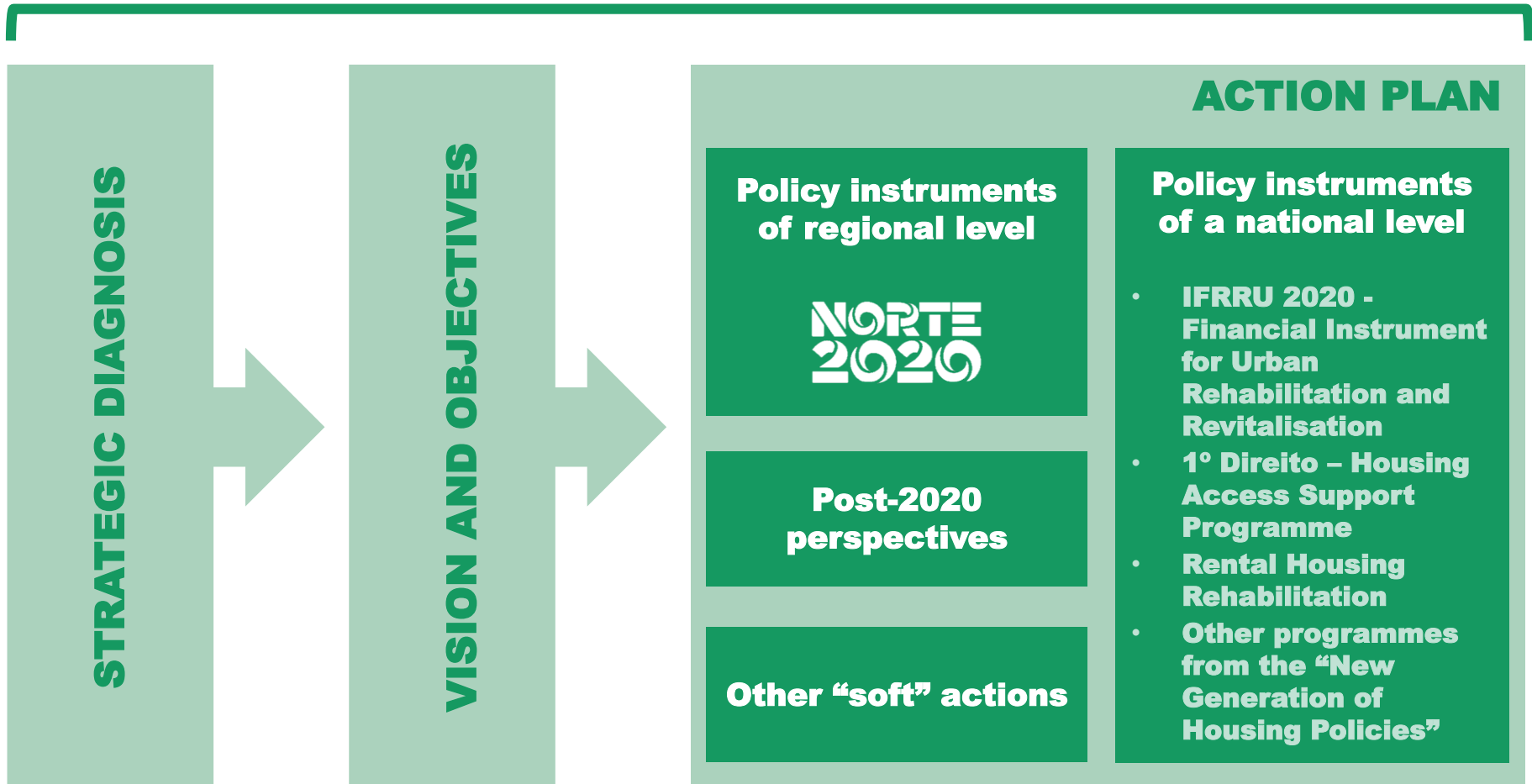
Energy efficiency measures with dubious impact on levels of energy consumption and emissions





Greening the Social Housing Sector in Norte: A Regional Agenda

Considering local specificities and the outcomes of SOCIAL GREEN, a regional agenda is being developed



Preliminary elements of the regional agenda (focus on post-2020)

Vision

Towards an energy efficient social housing sector that contributes to the alleviation of the phenomenon of fuel poverty in Norte



Photo: CCDRN

Areas of concern (selection):



Rethinking the existing support model for energy efficiency in social housing



Exploring new impact indicators for public policy evaluation and design



Establishing tools to monitor the real conditions of use of buildings



Promoting changes in the energy-related behaviour of users of social housing



Integrating energy-efficiency in wider social and environmental policies



Key messages

Territory matters: standards, strategies and policies should be adjusted to local realities



Cooperation matters: pan-european bottom-up cooperation is key to policy learning and european cohesion





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