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BASE Case Studies at Climate-ADAPT Platform

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“The important new knowledge from the BASE project is expected to enable the move from adaptation strategies and plans, at various governance levels, towards implementation and action by stakeholders, thus enhancing climate resilience across Europe”

The **23 case studies** conducted within the BASE project analysed responses and adaptation strategies to climate change impacting different geographical regions (i.e.: coastal zones, urban areas) and various sectors (i.e.: agriculture, forestry and water resource management, etc). The BASE case studies provide an excellent insight into the **status-quo of adaptation in Europe** as well as **comparable data** on the **effectiveness, costs and benefits, implementation challenges and successes** of different responses. BASE researchers cooperated with the European Environment Agency (EEA) to make the knowledge gathered **accessible and useable** for decision-makers at all levels. Case studies and project findings were integrated into the [European Climate Adaptation Platform](#) [2] (**Climate-ADAPT**).

Established in 2012, Climate-ADAPT is an initiative of the European Commission and the EEA for knowledge-sharing on climate change

adaptation strategies and actions in Europe.

On 13 May 2016, during the Adaptation Future Conference 2016, Andre' Jol (EEA) and Hans Sanderson, Project Coordinator of BASE, met to celebrate the contribution of the BASE project outputs to the European Climate Adaptation Platform.

“The important new knowledge from the BASE project is expected to enable the move from adaptation strategies and plans, at various governance levels, towards implementation and action by stakeholders, thus enhancing climate resilience across Europe”, said Andre' Jol, Head of the ACC4 - Climate change impacts, vulnerability and adaptation group of the European Environment Agency (EEA).

*“The entire BASE team is delighted to provide Climate-ADAPT with our case studies and other outputs. The **BASE outputs have a strong emphasis on economic evaluation and assessment of participatory methodologies**, which is needed to facilitate the implementation of the EU Adaptation Strategy to support an adapted, resilient and sustainable Europe.”* Hans Sanderson explained.

Concluding four years of interdisciplinary research, the BASE project has now reached its end. Among the final outcomes of this research are [ten recommendations \[3\]](#) that aim to provide guidance to the 2017 review of the EU Adaptation Strategy. The recommendations highlight the need for **diverse and interconnected actions** to strengthen adaptive capacity, especially at the **local level**, and call for more **coherent and integrated policies**. All project outputs, including reports, policy briefs, videos, are publicly available on the [BASE project website](#) [4].

The BASE project received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under Grant Agreement No. 308337 (Project BASE).

From 2012 until 2016 the BASE project made a substantial contribution to **improving the knowledge base on sustainable adaptation** in Europe.

List of published Case Studies:

1. [Tamera water retention landscape to restore the water cycle and reduce vulnerability to droughts](#) [5] (2015)
2. [Timmendorfer Strand coastal protection strategy, Germany](#) [6] (2016)
3. [Private adaptation of buildings to coastal flooding in the historic centre of Venice, Italy](#) [7] (2016)
4. [Adaptation to heat stress in the city of Madrid, Spain](#) [8]

(2016)

5. [Adaptation strategy for agriculture and vine production in South Moravian region, Czech Republic](#) [9] (2016)
6. [Adaptation options in agriculture and hop farming for the Ústí region, Czech Republic](#) [10] (2016)
7. [Leeds Flood Alleviation Scheme](#) [11] (2016)
8. [Developing a local adaptation strategy for the coasts of Ílhavo and Vagos using a participatory approach](#) [12] (2016)
9. [Adapting flood risk and river basin management to climate change in Kalajoki river basin, Finland](#) [13] (2016)
10. [Balancing water needs among multiple users in a drought-prone coastal wetland](#) [14] (2016)
11. [Coastal adaptation options to protect railway infrastructure in Dawlish, South Devon Coast, UK](#) [15] (2016)
12. [Climate Change and mental health in the UK: impacts of changes in temperature, precipitation and UV](#) [16] (2016)
13. [Climate change and skin cancer: Case study of potential SunSmart application in Cornwall](#) [17] (2016)
14. [Farmers as potential water managers in Holstebro Municipality, Denmark](#) [18] (2016)
15. [Participatory methods applied in adaptation planning in Kalundborg Municipality](#) [19] (2016)
16. [The Šumava UNESCO Biosphere Reserve, the Czech Republic](#) [20] (2016)
17. [The economics of managing heavy rains and stormwater in Copenhagen - The Cloudburst Management Plan](#) [21] (2016)
18. [Realisation of flood protection measures for the city of Prague](#) [22] (2016)

Main Link

European Climate Adaptation Platform

Ecologic Related Websites

- [BASE project website](#)

Ecologic Related Articles

- [Bottom-Up Climate Adaptation Strategies for a Sustainable Europe \(BASE\)](#)
- [How to Deal with Climate Change?](#)
- [European Climate Adaptation Conference 2015 - ECCA 2015 Newsletter](#)
- [ECCA 2015 - Call for Presentation Abstracts and Posters](#)
- [Program for the European Climate Change Adaptation Conference 2015 online](#)
- [European Climate Change Adaptation \(ECCA\) Conference 2015](#)
- [European Climate Change Adaptation \(ECCA\) Conference 2015](#)
- [European Adaptation Newsletter](#)
- [Adapting to Climate Change](#)
- [Putting Climate Change Adaptation in Europe into Practice - Transnational BASE Training Course](#)
- [BASE Project Featured at Adaptation Future Conference 2016](#)
- [Climate Adaptation Strategies in the EU BASE - BASE Policy Brief # 1](#)

- Adaptation to Climate Change
- Emerging Climate Change Coastal Adaptation Strategies and Case Studies around the World
- Adaptation Measures in the EU: Policies, Costs, and Economic Assessment - Climate Proofing Report #2
- RADOST Handbook

Keywords:

adaptation, climate change, sustainability, stakeholder engagement, policy effectiveness, policy integration, bottom-up, top-down, environmental governance, water, flood, drought, heat waves Europe, Tamera, Portugal, Timmendorfer Strand, Germany, Venice, Italy, Madrid, Spain, South Moravian, Czech Republic, Ústí, Leeds, United Kingdom, coasts of Ílhavo and Vagos, Kalajoki river basin, Finland, Andalucía, Dawlish, South Devon Coast, UK, Cornwall, Holstebro Municipality, Denmark, Kalundborg Municipality, Šumava UNESCO Biosphere Reserve, Copenhagen cost-benefit analysis, knowledge transfer, case studies

Project:

Bottom-Up Climate Adaptation Strategies for a Sustainable Europe (BASE)

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[2] <https://climate-adapt.eea.europa.eu/>

[3] <https://base-adaptation.eu/base-policy-brief-4-base-policy-recommendations>

[4] <https://base-adaptation.eu/>

[5] <https://climate-adapt.eea.europa.eu/metadata/case-studies/tamera-water-retention-landscape-to-restore-the-water-cycle-and-reduce-vulnerability-to-droughts>

[6] <https://climate-adapt.eea.europa.eu/metadata/case-studies/timmendorfer-strand-coastal-protection-strategy-germany>

[7] <https://climate-adapt.eea.europa.eu/metadata/publications/private-adaptation-of-buildings-to-coastal-flooding-in-the-historic-centre-of-venice-italy>

[8] <https://climate-adapt.eea.europa.eu/metadata/publications/adaptation-to-heat-stress-in-the-city-of-madrid-spain>

[9] <https://climate-adapt.eea.europa.eu/metadata/publications/adaptation-strategy-for-agriculture-and-vine-production-in-south-moravian-region-czech-republic>

[10] <https://climate-adapt.eea.europa.eu/metadata/publications/adaptation-options-in-agriculture-and-hop-farming-for-the-usti-region-czech-republic>

[11] <https://climate-adapt.eea.europa.eu/metadata/publications/leeds-flood-alleviation-scheme-1>

[12] <https://climate-adapt.eea.europa.eu/metadata/publications/developing-a-local-adaptation-strategy-for-the-coasts-of-ilhavo-and-vagos-using-a-participatory-approach>

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<https://climate-adapt.eea.europa.eu/metadata/publications/coastal-adaptation-options-to-protect-railway-infrastructure-in-dawlish-south-devon-coast-uk>

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<https://climate-adapt.eea.europa.eu/metadata/publications/climate-change-and-mental-health-in-the-uk-impacts-of-changes-in-temperature-precipitation-and-uv>

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<https://climate-adapt.eea.europa.eu/metadata/publications/climate-change-and-skin-cancer-case-study-of-potential-sunsmart-application-in-cornwall>

[18]

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[19]

<https://climate-adapt.eea.europa.eu/metadata/publications/participatory-methods-applied-in-adaptation-planning-in-kalundborg-municipality>

[20]

<https://climate-adapt.eea.europa.eu/metadata/publications/the-sumava-unesco-biosphere-reserve-the-czech-republic>

[21]

<https://climate-adapt.eea.europa.eu/metadata/case-studies/the-economics-of-managing-heavy-rains-and-stormwater-in-copenhagen-2013-the-cloudburst-management-plan/>

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<https://climate-adapt.eea.europa.eu/metadata/case-studies/realisation-of-flood-protection-measures-for-the-city-of-prague>