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# **CLARIN’s involvement in COST Actions**

# **Background & motivation**

In the following survey, our aim is to provide an overview of COST actions focusing on those that are the most relevant for CLARIN. In Section 2, we give an outline of the COST Actions instruments that could be used to increase user engagement, uptake and dissemination for CLARIN. In Section 3, we give an overview of current COST Action membership by the national consortia. In Section 4, we suggest the most relevant new COST Actions national consortia could join for promoting and increasing the uptake of their resources, tools and services.

# **What are COST actions and how they work**

[COST Actions](http://www.cost.eu/COST_Actions) are a pan-European networking instrument for researchers, engineers and scholars coming from 36 member countries to cooperate and coordinate their nationally or EU-funded research activities and to jointly develop ideas for future joint proposals. They are set up to achieve specific objectives within their four-year duration, centred around the creation, diffusion and application of knowledge through a wide range of networking tools supported by COST, such as workshops, conferences, training schools, short-term scientific missions (STSMs) and dissemination activities.

COST Actions are open to all researchers, engineers and scholars, irrespective of gender, field or career stage from member countries, but also from near neighbour countries and international partner countries. Actions can expand, as researchers from new countries can join in during the first three years. There is a strong emphasis on fostering multi- and interdisciplinarity of research communities as well as in engaging the next generation of young researhcers.

**Meetings, Workshops and Conferences**

* organised by COST Action Management Committees in any COST country participating in the network
* can be of different types, such as Management Committee meetings, Working Group Meetings, Workshops and Conferences
* may be open to the whole scientific community and provide visibility opportunities for the COST Action
* COST contributes to the travel and subsistence costs of participating scientists, and to the organisation costs of the meeting
* could be used as a platform to showcase the CLARIN infrastructure to an established community of researchers working on a particular topic

**Short-Term Scientific Missions (STSM)**

* exchange visits between researchers involved in a COST Action, allowing scientists to visit an institution or laboratory in another COST country
* aimed at fostering collaboration, sharing new techniques and infrastructure that may not be available in other participants' institutions or laboratories, intended especially for young researchers
* could be used to host researchers at a CLARIN centre and help them to start using the existing infrastructure but also to contribute to further development of the infrastructure

**Training Schools**

* provide intensive training in emerging research topics within the organisations involved in the COST Action
* participants are mainly, but not exclusively, young researchers involved in COST Actions
* also cover appropriate re-training as part of life-long learning
* could be used to teach a new generation of researchers how to use the CLARIN infrastructure to achieve their research goals in their area

**Dissemination Activities and Publications**

* disseminating scientific results is a core value of COST
* COST encourages and supports participants to disseminate the outcome of their research to other COST science and technology networks, the wider scientific community, policymakers, the media and society at large
* COST supports its Actions by funding a series of visibility opportunities and dissemination/publication activities
* could be used to reach new communities of users in multi- and interdisciplinary as well as in emerging research fields, disseminate the results achieved within CLARIN to policymakers, the media and the general audience

For further information on how COST Actions work and on setting up or joining one contact the relevant [COST Science Officer](http://www.cost.eu/about_cost/who#science_operations).

# Overview of CLARIN’s involvement in COST Actions

The overview was created in three steps:

1. We compiled a list of 39 relevant COST actions on the basis of two criteria:
   1. the COST actions should be on-going
   2. the COST actions should belong to the broad field of Digital Humanities, Social Sciences and Artificial Intelligence
2. We invited the national UI coordinators to fill in the data in terms of participation for their respective countries.
3. We additionally checked official membership lists of the COST Actions to identify discrepancies in the responses by the national UI coordinators in order to show the potential for the national CLARIN consortia to reach out to existing research communities in the relevant research areas in their country and establish new connections with the potential users of their infrastructure.

In Table 1 we give an overview of the selected COST Action

* COST Action ID
* list of national CLARIN consortia involved in the COST Action according to the feedback from national UI coordinators
* list of participating countries in the COST Action according to the official membership list of the COST Action
* name and webpage of the COST Action
* link to the official membership list of the COST Action

The COST Actions with the highest degree of participation of the CLARIN national consortia are highlighted in blue.

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| --- | --- | --- | --- | --- |
| **Action ID** | **Involvement of Clarin consortia** | **Participating countries** | **Name of relevant COST action** | **List of members** |
| CA15109 | Estonia | bg, dk, ee, fr, de, el, hu, lt, nl, no, pl, pt, si, se, uk | [European Cooperation for Statistics of Network Data Science](https://costnet.webhosting.rug.nl) (COSTNET) | <http://www.cost.eu/COST_Actions/ca/CA15137?management> |
| CA15122 | Estonia | at, bg, cz, dk, ee, fi, fr, de, el, hu, it, lt, nl, no, pl, si, se, uk | [Reducing Old-Age Social Exclusion: Collaborations in Research and Policy](http://rosenetcost.com) (ROSEnet) | <http://www.cost.eu/COST_Actions/ca/CA15122?management> |
| CA15137 | Estonia | at, bg, cz, dk, ee, fi, fr, de, el, hu, it, lv, lt, nl, no, pl, pt, si, uk | [European Network for Research Evaluation in the Social Sciences and the Humanities](http://enressh.eu/) (ENRESSH) | <http://www.cost.eu/COST_Actions/ca/CA15137?management> |
| CA15201 | / | at, dk, fi, fr, de, el, hu, it, lt, nl, pl, pt, si, se, uk | [Archaeological practices and knowledge work in the digital environment](http://www.cost.eu/COST_Actions/ca/CA15201?) | <http://www.cost.eu/COST_Actions/ca/CA15201?management> |
| CA15207 | Estonia | bg, cz, dk, ee, fi, fr, de, el, hu, it, lv, lt, nl, no, pl, pt, si, se, uk | [Professionalization and Social Impact of European Political Science](http://www.cost.eu/COST_Actions/ca/CA15207?) | <http://www.cost.eu/COST_Actions/ca/CA15207?management> |
| CA15212 | Estonia | at, bg, cz, dk, ee, fi, fr, de, el, hu, it, lv, lt, nl, no, pl, pt, si, se, uk | [Citizen Science to promote creativity, scientific literacy, and innovation throughout Europe](http://www.cost.eu/COST_Actions/ca/CA15212) | <http://www.cost.eu/COST_Actions/ca/CA15212?management> |
| CA15221 | Estonia | bg, cz, dk, ee, fr, de, el, it, lv, lt, nl, pl, pt, si, se, uk | [Advancing effective institutional models towards cohesive teaching, learning, research and writing development](http://www.cost.eu/COST_Actions/ca/CA15221) | <http://www.cost.eu/COST_Actions/ca/CA15221?management> |
| IC1206 | / | at, cz, dk, fi, fr, de, el, hu, it, nl, no, pl, pt, si, uk | [De-identification for privacy protection in multimedia content](http://costic1206.uvigo.es/) | <http://www.cost.eu/COST_Actions/ict/IC1206?management> |
| IC1207 | Slovenia, Bulgaria, Norway, Poland | bg, cz, el, de, hu, it, lv, lt, nl, no, pl, se, uk | [Parsing and multi-word expressions. Towards linguistic precision and computational efficiency in natural language processing (PARSEME)](http://www.parseme.eu) | <http://www.cost.eu/COST_Actions/ict/IC1207?management> |
| IC1302 | / | at, bg, ee, fi, fr, de, el, it, nl, no, pl, pt, si, se, uk | [Semantic keyword-based search on structured data sources (KEYSTONE)](http://www.keystone-cost.eu) | <http://www.cost.eu/COST_Actions/ict/IC1302?management> |
| IC1307 | / | at, bg, dk, ee, fr, de, el, it, lt, nl, no, pl, pt, si, se, uk | [The European Network on Integrating Vision and Language (iV&L Net): Combining Computer Vision and Language Processing For Advanced Search, Retrieval, Annotation and Description of Visual Data](http://ivl-net.eu/) | <http://www.cost.eu/COST_Actions/ict/IC1307?management> |
| IS1206 | / | at, dk, ee, fi, fr, de, el, it, lv, lt, nl, no, pl, pt, si, se, uk | [Femicide across Europe](http://www.femicide.net) | <http://www.cost.eu/COST_Actions/isch/IS1206?management> |
| IS1209 | / | at, bg, dk, ee, fi, fr, de, el, hu, it, nl, no, pl, pt, si, se, uk | [Comparing European Prostitution Policies: Understanding Scales and Cultures of Governance (ProsPol)](http://prospol.eu/) | <http://www.cost.eu/COST_Actions/isch/IS1209?management> |
| IS1301 | / | at, cz, dk, fi, fr, de, el, hu, it, lt, nl, no, pl, pt, uk | [New Communities of Interpretation: Contexts, Strategies and Processes of Religious Transformation in Late Medieval and Early Modern Europe](http://www.rug.nl/let/costaction-is1301) | <http://www.cost.eu/COST_Actions/isch/IS1301?management> |
| IS1304 | / | dk, ee, fi, fr, de, el, it, lt, nl, no, pl, pt, uk | [Expert Judgment Network: Bridging the Gap Between Scientific Uncertainty and Evidence-Based Decision Making](http://www.cost.eu/COST_Actions/isch/IS1304) | <http://www.cost.eu/COST_Actions/isch/IS1304?management> |
| IS1305 | Slovenia, Denmark, DLU, Germany, Italy, the UK | at, bg, cz, dk, ee, fi, fr, de, el, hu, it, lv, nl, no, pl, pt, si, se, uk | [European Network of e-Lexicography (ENeL)](http://www.elexicography.eu/) | <http://www.cost.eu/COST_Actions/isch/IS1305?management> |
| IS1306 | / | at, dk, ee, fi, fr, de, el, hu, it, lv, lt, nl, no, pl, pt, se, uk | [New Speakers in a Multilingual Europe - Opportunities and Challenges](http://www.nspk.org.uk/) | <http://www.cost.eu/COST_Actions/isch/IS1306?management> |
| IS1308 | / | at, bg, cz, dk, fi, fr, de, el, hu, it, lt, nl, no, pl, pt, si, se, uk | [Populist Political Communication in Europe: Comprehending the Challenge of Mediated Political Populism for Democratic Politics](http://www.populistcommunication.eu) | <http://www.cost.eu/COST_Actions/isch/IS1308?management> |
| IS1310 | / | at, bg, cz, dk, ee, fi, fr, de, el, hu, it, lt, nl, no, pl, pt, si, se, uk | [Reassembling the Republic of Letters, 1500-1800 A digital framework for multi-lateral collaboration on Europe`s intellectual history](http://www.republicofletters.net) | <http://www.cost.eu/COST_Actions/isch/IS1310?management> |
| IS1312 | the Czech Republic, Poland, the UK | cz, dk, fi, fr, de, el, hu, it, lt, nl, no, pt, si, se, uk | [Structuring Discourse in Multilingual Europe (TextLink)](http://textlink.ii.metu.edu.tr) | <http://www.cost.eu/COST_Actions/isch/IS1312?management> |
| IS1401 | Slovenia, Italy, Sweden, Norway, the UK, | at, bg, cz, dk, ee, fi, fr, de, el, hu, it, lt, nl, no, pl, pt, si, se, uk | [Strengthening Europeans' capabilities by establishing the European literacy network](http://www.is1401eln.eu/en/) | <http://www.cost.eu/COST_Actions/isch/IS1401?management> |
| IS1402 | / | at, bg, cz, dk, ee, fi, de, el, hu, it, lt, nl, no, pl, pt, si, uk | [Ageism - a multi-national, interdisciplinary perspective](http://notoageism.com) | <http://www.cost.eu/COST_Actions/isch/IS1402?management> |
| IS1404 | / | at, bg, cz, dk, ee, fi, fr, de, el, hu, it, lt, nl, no, pl, pt, sl, se, uk | [Evolution of reading in the age of digitisation (E-READ)](http://ereadcost.eu/) | <http://www.cost.eu/COST_Actions/isch/IS1404?management> |
| IS1406 | / | at, bg, cz, dk, ee, fi, fr, de, el, hu, it, lv, lt, nl, no, pl, pt, sl, se, uk | [Enhancing children's oral language skills across Europe and beyond - a collaboration focusing on interventions for children with difficulties learning their first language](https://research.ncl.ac.uk/costis1406) | <http://www.cost.eu/COST_Actions/isch/IS1406?management> |
| IS1407 | / | at, bg, de, el, it, pl, pt, si, se, uk | [Ancient European languages and writings (AELAW)](http://aelaw.unizar.es/) | <http://www.cost.eu/COST_Actions/isch/IS1407?management> |
| IS1409 | / | at, bg, cz, dk, ee, fi, fr, de, el, it, lt, nl, pl, pt, si, se, uk | [Gender and health impacts of policies extending working life in western countries](http://genderewl.com/) | <http://www.cost.eu/COST_Actions/isch/IS1409?management> |
| IS1410 | / | at, bg, cz, dk, ee, fi, fr, de, el, hu, it, lv, lt, nl, no, pl, pt, si, se, uk | [The digital literacy and multimodal practices of young children (DigiLitEY)](http://digilitey.eu) | <http://www.cost.eu/COST_Actions/isch/IS1410?management> |
| TD1210 | / | at, bg, dk, fi, fr, de, el, hu, it, nl, pl, pt, si, se, uk | [Analyzing the dynamics of information and knowledge landscapes (KNOWeSCAPE)](http://Www.knowescape.org) | <http://www.cost.eu/COST_Actions/mpns/TD1210?management> |
| TD1306 | / | at, bg, cz, dk, ee, fi, fr, de, el, hu, it, lt, nl, no, pl, pt, si, se, uk | [New Frontiers of Peer Review (PEERE)](http://www.peere.org/) | <http://www.cost.eu/COST_Actions/tdp/TD1306?management> |
| TU1204 | / | at, bg, dk, ee, fi, fr, de, el, it, lt, nl, no, pl, pt, si, se, uk | [People Friendly Cities in a Data Rich World](http://www.people-friendly-cities.eu/) | <http://www.cost.eu/COST_Actions/tud/TU1204?management> |
| TU1305 | / | at, cz, dk, ee, fr, de, el, hu, it, lv, lt, nl, no, pl, pt, se, uk | [Social networks and travel behaviour](http://www.tu1305.eu/) | <http://www.cost.eu/COST_Actions/tud/TU1305?management> |
| TU1306 | / | at, bg, dk, fr, de, el, hu,,it, lv, lt, nl, no, pl, pt, si, se, uk | [Fostering knowledge about the relationship between Information and Communication Technologies and Public Spaces supported by strategies to improve their use and attractiveness (CYBERPARKS)](http://www.cyberparks-project.eu) | <http://www.cost.eu/COST_Actions/tud/TU1306?management> |
| CA15123 | Estonia | at, cz, dk, ee, fi, fr, de, el, hu, it, lt, nl, no, pl, pt, si, se, uk | [The European research network on types for programming and verification (EUTYPES)](https://eutypes.cs.ru.nl/) | <http://www.cost.eu/COST_Actions/ca/CA15123?management> |
| IC1406 | / | at, bg, ee, fi, fr, de, el, it, lv, lt, nl, no, pl, pt, si, se, uk | [High-Performance Modelling and Simulation for Big Data Applications (cHiPSet)](http://www.chipset-cost.eu) | <http://www.cost.eu/COST_Actions/ict/IC1406?management> |
| IC1304 | / | at, bg, dk, fi, fr, de, el, hu, it, lt, nl, no, pl, pt, si, se, uk | [Autonomous Control for a Reliable Internet of Services (ACROSS)](http://www.cost-across.nl/) | <http://www.cost.eu/COST_Actions/ict/IC1304?management> |
| CA16121 | Estonia | at, bg, dk, ee, fi, fr, de, ee, hu, it, lt, nl, no, pl, pt, se, uk | [From Sharing to Caring: Examining Socio-Technical Aspects of the Collaborative Economy](http://www.cost.eu/COST_Actions/ca/CA16121) | <http://www.cost.eu/COST_Actions/ca/CA16121?management> |
| CA16105 | Slovenia, Austria, Bulgaria, the Czech Republic, the DLU, Estonia, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Poland, Portugal, Sweden, the UK | at, bg, cz, dk, ee, fi, fr, de, el, hu, it, lv, lt, nl, pl, pt, si, se, uk | [European Network for Combining Language Learning with Crowdsourcing Techniques](http://www.cost.eu/COST_Actions/ca/CA16105) | <http://www.cost.eu/COST_Actions/ca/CA16105?management> |
| CA16111 | Austria, Bulgaria, the Czech Republic, Denmark, Estonia, Germany, Greece, Hungary, Italy, Lithuania, the Netherlands, Norway, Poland, Portugal, Sweden, the UK | at, bg, cz, dk, ee, fr, de, el, hu, it, lt, nl, no, pl, pt, se, uk | [International Ethnic and Immigrant Minorities' Survey Data Network](http://www.cost.eu/COST_Actions/ca/CA16111) | <http://www.cost.eu/COST_Actions/ca/CA16111?management> |

Table 1. Overview of the membership and CLARIN’s involvement in the selected COST Actions.

As is shown in the table above, the national consortia are part of 14 different COST actions in total. They are especially well represented in the following 6 COST actions:

* [IC1207 (PARSEME)](http://www.cost.eu/COST_Actions/ict/IC1207)
* [IS1305 (ENeL)](http://www.cost.eu/COST_Actions/isch/IS1305)
* [IS1312 (TextLink)](http://www.cost.eu/COST_Actions/isch/IS1312)
* [IS1401 (European literacy network)](http://www.cost.eu/COST_Actions/isch/IS1401)
* [CA16105 (combining language learning)](http://www.cost.eu/COST_Actions/ca/CA16105)
* [CA16111 (Immigrant Minorities’ Survey Data Network).](http://www.cost.eu/COST_Actions/ca/CA16111)

This is understandable, as most of these are related to computational approaches in linguistics. Curiously, for action IC1302 – *Semantic keyword-based search on structured data sources* we were unable to find any participants related to CLARIN; this is surprising, because the action is clearly relevant for the CLARIN community with its primary aim “to enable research activity and technology transfer in the area of keyword-based search over structured data sources”, as stated in the description of the action.

# Selection of recommended new COST Actions for CLARIN

In this section, we list a selection of the most relevant COST actions for the CLARIN community to try and get involved with based on the descriptions of the actions published on their web pages. We provide the link to the webpage of the COST Action, an excerpt from the description of the COST Action, and contact details.

1. [IC1302 Semantic keyword-based search on structured data sources (KEYSTONE)](http://www.cost.eu/COST_Actions/ict/IC1302)
   1. Aims: “building effective keyword searching techniques [...] [so that] users are offered access to structured data in a similar manner to the one they already use for documents” & “the Action proposes to join synergies from several disciplines, such as semantic data management, the semantic web, information retrieval, artificial intelligence, machine learning, user interaction, service science, service design, and natural language processing”.
   2. Contact: [francesco.guerra@unimore.it](mailto:francesco.guerra@unimore.it); Prof Francesco GUERRA
2. [IC1307 The European Network on Integrating Vision and Language (iV&L Net): Combining Computer Vision and Language Processing For Advanced Search, Retrieval, Annotation and Description of Visual Data](http://www.cost.eu/COST_Actions/ict/IC1307)
   1. Aims: “Mining [visual and textual] data depend on the semantic gap between vision and language being bridged, which in turn calls for expertise from two so far unconnected fields: Computer Vision (CV) and Natural Language Processing (NLP)”
   2. Contact: [d.c.hogg@leeds.ac.uk](mailto:d.c.hogg@leeds.ac.uk) Prof David HOGG
3. [TD1210 Analyzing the dynamics of information and knowledge landscapes (KNOWeSCAPE)](http://www.cost.eu/COST_Actions/mpns/TD1210)
   1. Aims: “a platform will be created where information professionals, sociologists, physicists, digital humanities scholars and computer scientists collaborate on problems of data mining and data curation in collections”
   2. Contact: [andrea.scharnhorst@dans.knaw.nl](mailto:andrea.scharnhorst@dans.knaw.nl) Dr Andrea SCHARNHORST
4. [IC1406 High-Performance Modelling and Simulation for Big Data Applications (cHiPSet)](http://www.cost.eu/COST_Actions/ict/IC1406)
   1. Aims: “how to efficiently turn massively large data into valuable information and meaningful knowledge”
   2. Contact: [jokolodziej@pk.edu.pl](mailto:jokolodziej@pk.edu.pl) Prof Joanna KOLODZIEJ
5. [ISCH COST Action IS1310 Reassembling the Republic of Letters, 1500-1800 A digital framework for multi-lateral collaboration on Europe`s intellectual history](http://www.cost.eu/COST_Actions/isch/IS1310)
   1. Aims: “The early modern communications revolution allowed scholars to scatter correspondence across Europe, knitting together the international, knowledge-based civil society crucial to that era's intellectual breakthroughs and formative for many of modern Europe's values and institutions. [...] (2) coordinate the intensive discussion amongst librarians and archivists, IT experts, and scholars needed to plan a state-of-the-art digital system within which to collect a pan-European pool of highly granular data on the Republic of Letters; (3) design tools for navigating, analysing and visualising this huge pool of data, and for facilitating new forms of international and interdisciplinary scholarly collaboration, thereby consolidating a new virtual Republic of Letters; and (4) experiment with using this system to engage the broader public with the cutting-edge technical and scholarly work on this key phase of European cultural and intellectual integration.”
   2. Contact: [howard.hotson@history.ox.ac.uk](mailto:howard.hotson@history.ox.ac.uk) Professor Howard Hotson
6. [ISCH COST Action IS1407 Ancient European languages and writings (AELAW)](http://www.cost.eu/COST_Actions/isch/IS1407)
   1. Aims: “The main objective of the Action is the co-ordination of researchers dedicated to the study of the different ancient languages and writings with the aim of creating an ample work team capable of establishing the foundations for the creation, for the first time, of a large online data bank which will permit the cataloguing of all the currently known documents in this type of languages, thus introducing this important part of the European cultural heritage into the 21st century.”
   2. Contact: [fbeltran@unizar.es](mailto:fbeltran@unizar.es) Professor Francisco Beltran