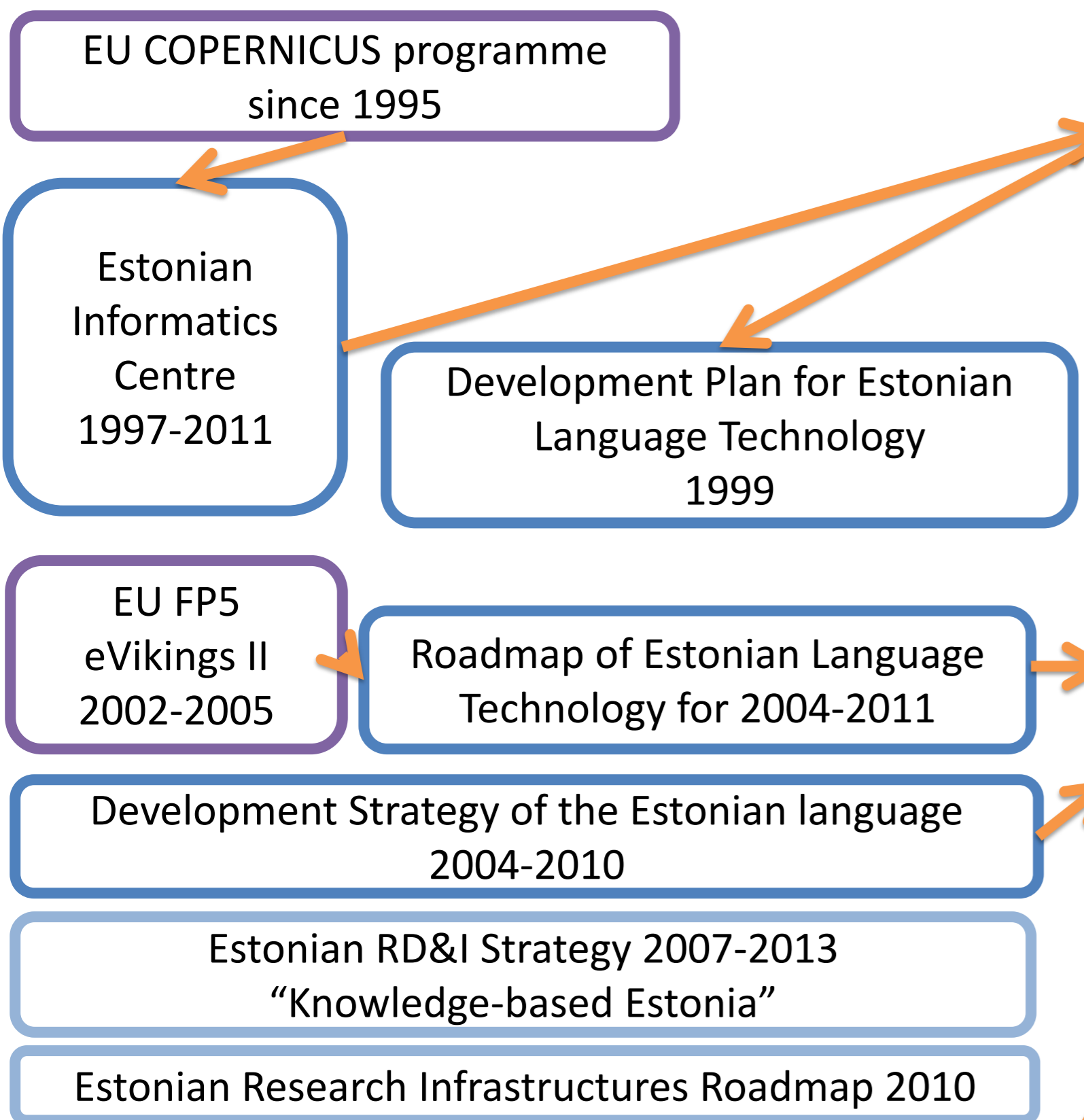


Strategic Importance of Language Technology in Estonia

Kadri VIDER, Krista LIIN, Neeme KAHUSK
Institute of Computer Science, University of Tartu

Strategies



National Programmes

www.keeletehnologia.ee

ELTP 1998-2000

Results:
OCR, morphological analyzer, speech synthesizer, thesauri, ...

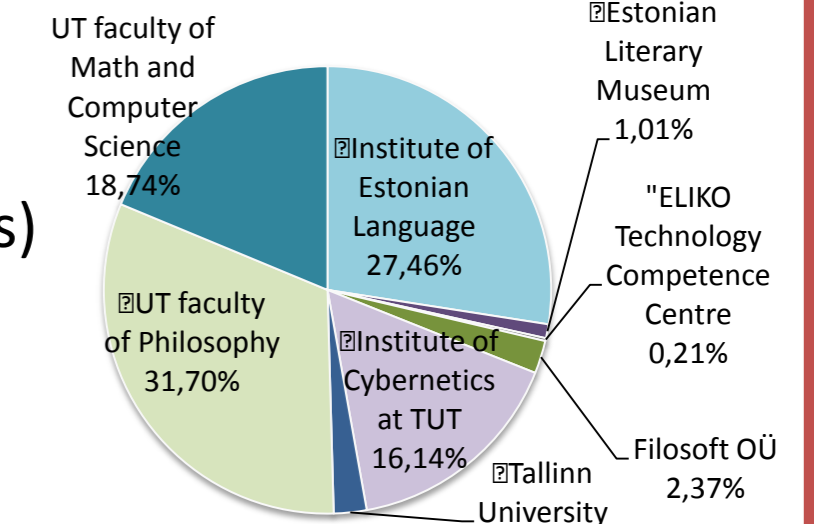
NPELT 2006-2010 – 1st phase

Goals:
LT results that can be used in the modern technological society
Choice of projects follows in general the Estonian HLT Roadmap

Funded Activities:
1. Creation of reusable language resources
2. Development of essential linguistics software (up to prototypes)
3. Bringing the relevant LT infrastructure up to date

Results:
33 projects funded
Preparation for the Center of Estonian Language Resources
Speech synthesis and recognition, corpora, lexicographer's workbench, machine translation, information dialogue, lexical resources and tools, morphosyntactic and semantic analysis, language learning, and language software for the Web, ...

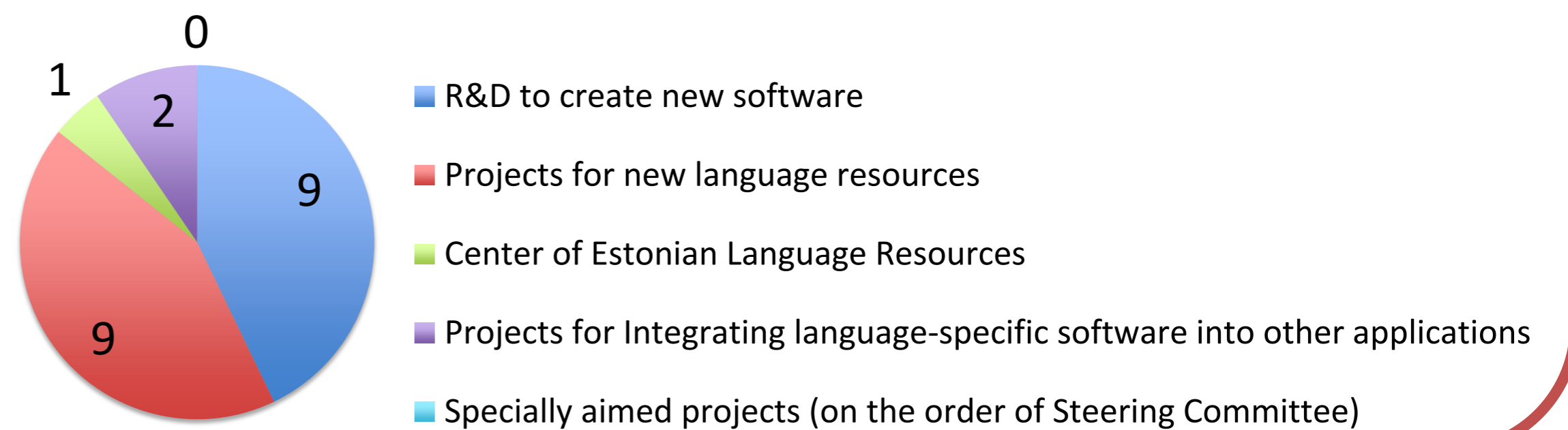
Distribution of funding according to the institutions



NPELT 2011-2017 – 2nd phase

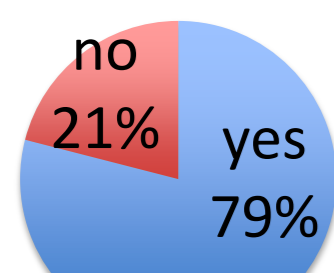
Goals:
Implementation and integration of the existing resources and software prototypes in public services

Funded activities (projects)

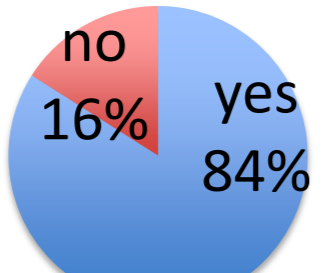


Evaluation of the 1st phase of NPELT

Goals reached



Result satisfactory



Unfilled gaps:

- From prototypes to widely usable products
- Continued development and support of these products
- Licensing and copyright issues

The Language Technology infrastructure



CLARIN

Preparatory Phase 01.2008-06.2011
CLARIN ERIC since 29.02.2012

Aims:

facilitate the use of language resources for researchers of other fields – humanities and social sciences, but also for linguists and society members.

Some activities:

- Preparing the LR for sharing
- Survey of existing LR and user needs
- Technical interoperability
- Agreement on data and interoperability standards



32 Estonian resources

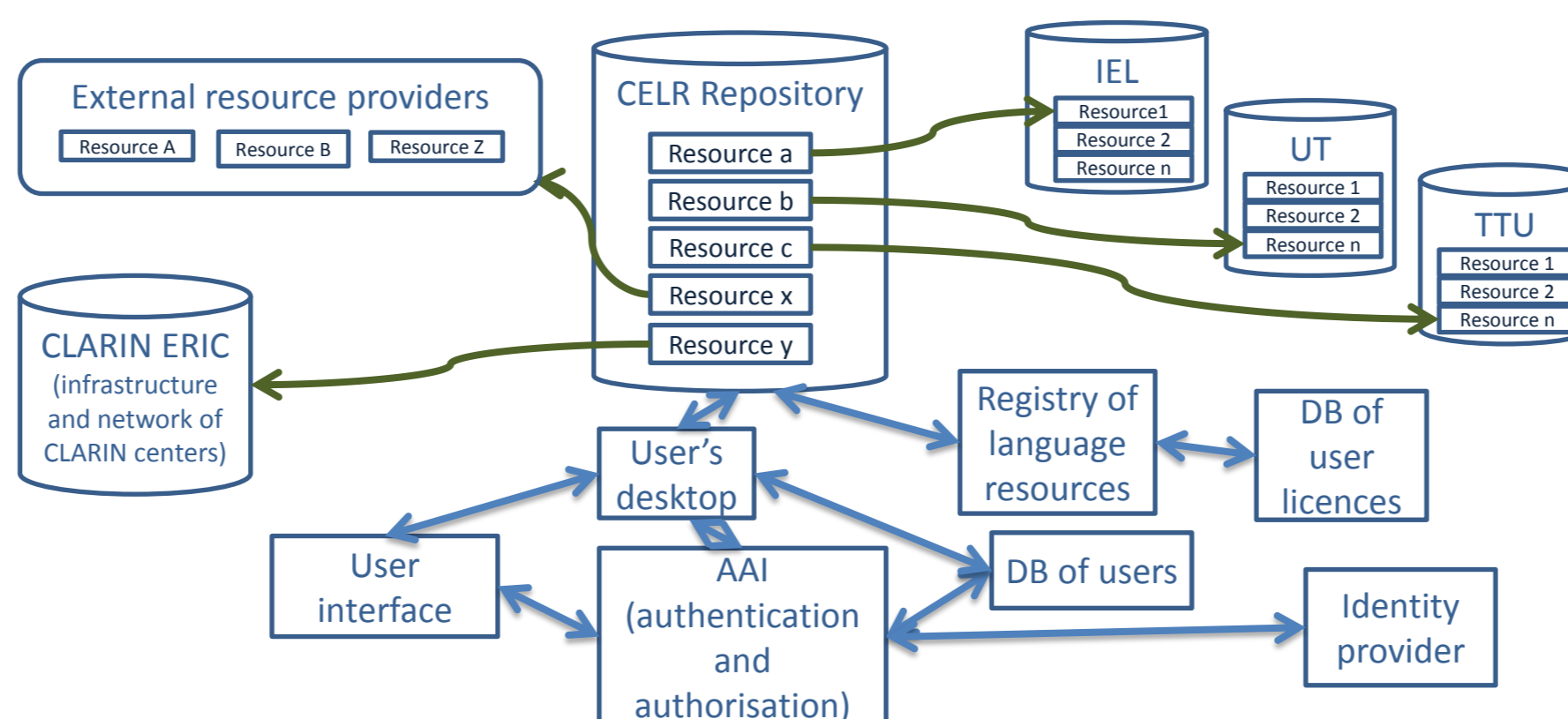
www.clarin.eu

keeleressursid.ee

Center of Estonian Language Resources

University of Tartu UNIVERSITY OF TARTU
Institute of Cybernetics at Tallinn Technological University
Institute of Estonian Language Eesti Keele Instituut

Structure of the CELR



Starting phase (2012-2015):

- Infrastructure of central data register and service centers
- User authentication and authorization systems
- Different levels of access
- System to gathering standardized, well-documented, evaluated collections of data



Project 02.2011-01.2013

Aims:

Increase the visibility and usability of language resources and facilitate their integration in the modern information society

Some activities:

- [META-NET LWPs](#) „European Languages in Digital Age“
- Standardization of LR
- Common licenses for LR



META-SHARE

[16 Estonian resources](#)

as of 01.08.2012

www.meta-nord.eu



The work within the project META-NORD has received funding from the ICT Policy Support Programme as part of the Competitiveness and Innovation Framework Programme, The work within the project META-NORD has received funding from the ICT Policy Support Programme as part of the Competitiveness and Innovation Framework Programme, Grant agreement no 270899

CLARIN preparatory phase received funding from the Preparatory phase for the projects in the 2006 ESFRI Roadmap subprogramme of the EC Seventh Framework Programme, Grant agreement no 212230.

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In startup-phase (2012-2015) CELR will be funded from EU Structural Funds from measure "Modernising of research infrastructure of national priority".