

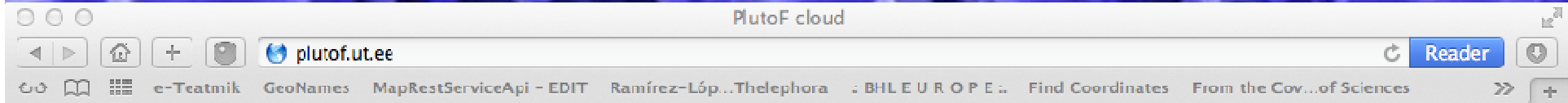


Teadusandmete avatud juurdepääsuga publitseerimine PlutoF pilve ja portaali eElurikkus näitel.

Urmas Kõljalg

Open Access Week, Tartu Ülikooli Raamatukogu, 25. oktoober 2013





PlutoF

Cloud database and computing services for the biologist

[Eesti keeles](#)

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Manuals

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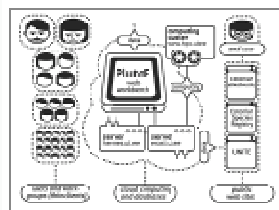
Log in



PlutoF cloud

PlutoF provides cloud database and computing services for the taxonomical, ecological, phylogenetical, etc. research. The purpose of the platform is to provide synergy through common modules for the classifications, taxon names, analytical tools, etc. It allows to address integrated questions in ecology and coevolution of taxa. Different types of the species occurrences, viz. preserved specimens, DNA sequences, human observations, references can be stored in PlutoF as well. PlutoF has no restrictions on taxon and geographic coverage and therefore can be used for the databasing interacting taxa. It includes also collection management module. Few examples of the public web outputs from PlutoF are Estonian eBiodiversity (<http://elurikkus.ut.ee>), and molecular key for fungi (<http://unite.ut.ee>).

To access PlutoF please [contact us](#).




A schematic drawing of the functioning of the PlutoF cloud. PlutoF provides the thin client (users, including workgroups) with cloud database services through the web browser. Every user can own several databases or be part of different workgroups with their own databases and projects. Every database/project can have its own separate web output or display data together with other databases. In cooperation with the High Performance Computing Center of the University of Tartu, PlutoF provides cloud computing services for substantial, gene sequence-based analyses. Figure by Marie Kõljalg.

Last updated: 2011-09-29. Webmaster: kessy.abarenkov[at]ut.ee



PlutoF





Eesti teaduse taristu teekaart
“Loodusteaduslikud arhiivid ja infovõrgustik” (NATARC)



Tartu Ülikool
Eesti Maaülikool
Tallinna Tehnikaülikool
Tallinna Ülikool
Eesti Loodusmuuseum
Keskkonnaamet



PlutoF pilve kasutusstatistika 2012

	Unikaalsed külastused	Pageviews	Keskmine kasutusaeg	Külastused TU võrgust
PlutoF	19 353	622 994	30 min 1 sek	2 398

PlutoF kasutamine (külastused) riikide lõikes

Eesti	USA	Suurbritannia	Tšehhi	Soome	Kokku riike
15 343	1946	543	340	257	35

Registreeritud PlutoF kasutajad

2012 – üle 800

2013 – üle 1200 (kolmandik välisuurijad)

Date determined [info?](#)

Determiner(s) unknown Determiner(s) identified by the user

Remarks

Reference

[Show form](#)

Specimen availability

private use only **OR** available for

- Public
- Corticioid Basidiomycetes field course
- Eesti seenekogud
- Kõljalg & Lebel workgroup
- Kõljalg 2008 Cuba
- Lindude vaatlused
- Madagaskar
- Plant root
- PlutoF course 3
- Sequence annotations
- TÜ loodusmuuseumi näitused
- UNITE workgroup
- ÖMI välipraktikumid

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PlutoF Open Data lähtekohad

UK Royal Society “Science as an open enterprise”

“Intelligent Openness” kontseptsioon

Accessible (Kättesaadav)

Assessable (Hinnatav)

Intelligible (Arusaadav)

Useable (Kasutatav)

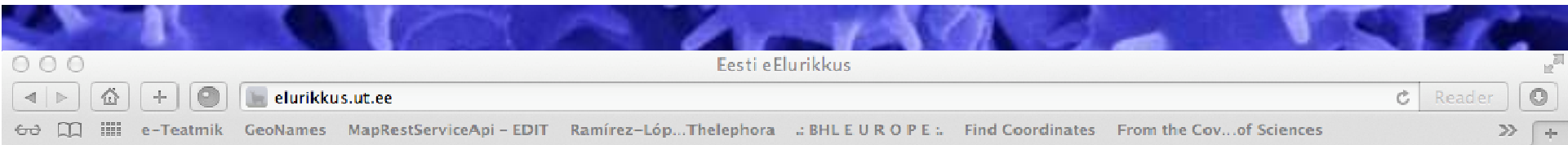


PlutoF Open Data lähtekohad

Publitseerimine ajakirjas või otse andmebaasis
(DataCite doi, Thomson Reuters, Pensoft vm.)

Publitseerimine teistesse infosüsteemidesse
GBIF

Teiste infosüsteemide andmed



eElurikkus koondab ühte andmebaasi Eesti eluslooduse. Juba on talletatud **23476** liiki!

Otsi liiki või sõnastikust **Otsi**

- Loomad Seened Taimed Protistid Bakterid



Viimased uudised

- 8. APR TÜ loodusmuuseum kutsub üles harrastusteadust arendama
8. JUN Ökoloogilise loodusmuuseum osaleb elurikkuse andmete värava loomises

Kontakt

info@elurikkus.ut.ee
Ravila 14A, 50411 Tartu



tsakital





eElurikkus portaali kasutusstatistika:

	Külastusi	Pageviews	Keskmine kasutusaeg
eElurikkus	99 939	425 865	4 min 36 sek

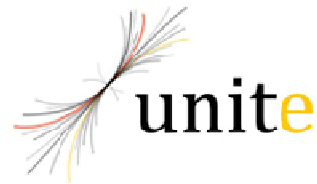
eElurikkus kasutamine riikide lõikes

Eesti	Soome	USA	Suurbritannia	Läti	Kokku riike
77 776	6635	4678	1197	1177	101



elurikkus.ut.ee





Current version: **5.0**; Release date: 18.12.2012 ([read more](#))
Number of UNITE fungal Species Hypotheses: **52 481** (based on 98% threshold value, see also SH statistics below)
Number of fungal ITS sequences in current version (UNITE+INSD): **351 943**

UNITE provides unified way how you delimit, identify, communicate and work with DNA based Species Hypotheses (SH). All SHs are connected to the taxon name and classification. Read [Kõljalg et al. 2013](#) paper for the description of the system.

What is Species Hypothesis?

Species Hypothesis – any species level group of individuals that share a given set of observed characters. [Read more](#)



[Click to enlarge](#)

What are reference and representative sequences?

Reference sequence (RefS) – serves as a name anchor for the Species Hypothesis and is chosen by the expert. [Read more](#)



[Click to enlarge](#)

UNITE Community

Members
Join
UNITE list

News

14.10.2013 UNITE homepage updated: Unified system for the DNA based fungal species (ver. 5.0) released.

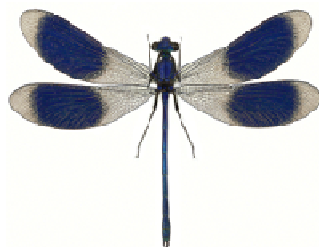


BALTICDIVERSITY

Naturforskaren

< Föregående

Nästa >



Hana

Göran Liljeberg



Hona

Göran Liljeberg

Fler mediafiler:
 Google images
 Flickr

Blåbandad jungfruslända

Calopteryx splendens (Harris, 1789)

Sv: blåbandad jungfruslända, Fi: immenkorento, Ee: vööt-vesincitsik,

Texter: Erlend Dannelid, Göran Sahlén

Liknande taxa

Blå jungfruslända.

Beskrivning

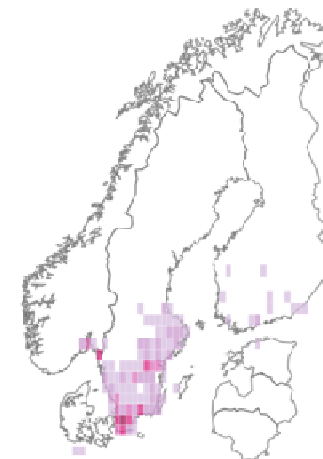
Bakkropp 33-40 mm, bakvinge 27-36 mm. Bakkroppen är metalliskt blå hos hanar hanar och brun- till grönglänsande hos honor. Vingar med blått tvärband hos hanar och ljusgröna till bruna hos honor.

Biologi

Habitat Förekommer vid rinnande vatten, men är inte lika allmän som den blå jungfrusländan.

Utbredning

Den blåbandade jungfrusländan förekommer norrut till Värmland och Hälsingland. Den förekommer alltså ej lika långt mot norr som blå jungfruslända. Finns även på Öland och Gotland. **Flygtid.** Från slutet av maj till början av augusti, oftast juni och juli.



Källa: GBIF & BalticDiversity

Visa fynd

GBIF
 GBIF.se
 eBiodiversity (EE)
 Naturanvarse

Rapportera fynd

Artportalen (SE) (Kommer snart)
 PlutoF (EE) (Kommer snart)
 LUOMUS (FI)

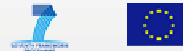
Klassificering

Underordning: Zygoptera
 Familj: Calopterygidae
 Släkte: *Calopteryx*



PlutoF







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- MAIN OUTCOMES
- WORK PACKAGES
- PARTNERS
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NEWSLETTER

EU BON - Building the European Biodiversity Observation Network

Sustainable governance of our biological resources demands reliable scientific knowledge to be accessible and applicable to the needs of society. The fact that current biodiversity observation systems and environmental datasets are unbalanced in coverage and not well integrated brings the need of a new system which will facilitate access to this knowledge and will effectively improve the work in the field of biodiversity observation in general. In light of the new Intergovernmental science-policy Platform on Biodiversity and Ecosystem Services (IPBES), such a network and approach are imperative for attaining efficient processes of data collation, analysis and provisioning to stakeholders. A system that facilitates open access to taxonomic data is essential because it will allow a sustainable provision of high quality data to partners and users, including e-science infrastructure projects as well as global initiatives on biodiversity informatics. EU BON proposes an innovative approach in terms of integration of biodiversity information system from on-ground to remote sensing data, for addressing policy and information needs in a timely and customized way. The project will reassure integration between social networks of science and policy and technological networks of interoperating IT infrastructures. This will enable a stable new open-access platform for sharing biodiversity data and tools to be created. EU BON's 30 partners from 18 countries are members of networks of biodiversity data-holders, monitoring organisations, and leading scientific institutions. EU BON will build on existing components, in particular GBIF, LifeWatch

LOGIN

NEWS

20 MARCH 2013

Research Data Alliance (RDA) is now launched

The Research Data Alliance (RDA) had been now launched. Its First Plenary took place between 18-20...

20 MARCH 2013

BHL-Europe is finally officially live

On March 18 2013 the BHL-Europe portal has gone officially live. The Biodiversity heritage I...

18 MARCH 2013

New "LinkOut" tool by National Center for Biotechnology

Go to "http://eubon.eu/show/outcomes_2739/"


PlutoF




Tänan!

Tartu Ülikooli loodusmuuseumi IT töörühma tuumik: Kessy Abarenkov, Marko Peterson, Karl Ranna, Siim Halapuu, Janno Jõgeva

Haridus- ja Teadusministeerium, SA Eesti Teadusagentuur,
Keskkonnaministeerium, SA Archimedes



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