

Õiguse instituudi uurimisrühmade ülevaade 2022

Annual report of the Research Groups of Department of Law 2022

Instituudi edulugu:

Launching TalTech Legal Lab that represents the research based knowledge mixed with practical skills that is used to serve society and market with various services such as trainings, expertise, organizing forums, building up strategies both for private and public sector

TalTech LegalLab asutamine. See ettevõtlusele orienteeritud instituudi osa esindab teadusele põhinevaid teadmisi ja praktilisi oskusi, mida saab kasutada nii ühiskonna teenimiseks, kui turuosalistele teenuste pakkumiseks. Legal Lab on juba läbi viinud koolitusi, koostanud õigusekspertiise, organiseerinud foorumeid ja on valmis aitama õiguslikke riske maandada nii avalikul, kui ka erasektoril.

<https://taltech.ee/en/department-law/legal-lab>

Research Group “Legal Policy and Normative Framework of EU Digital Market and Technologies and its Application in Partner Countries

Uurimisgrupp “EL digitaalturu ja tehnoloogiate õiguspoliitiline ja normatiivne raamistik ja selle kohaldumine partnerriikides”

Staff /Liikmeskond

RG head/uurimisgrupi juht: Dr. Tanel Kerikmäe, Full Tenured professor of European Legal Policy and Law&Tech

Members/liikmed: Adjunct professor Katrin Nyman-Metcalf, Adjunct professor Ondrej Hamulak, Senior researcher Abel Polese, Senior researcher Archil Chochia, Senior lecturer David Ramiro Troitino, Lecturer Pawan Kumar Dutt, Lecturer Maria Claudia Solarte, Early stage researcher Evelin Pärn-Lee
Doctoral students: Olga Shumilo, Kärt Salumaa, Melita Sogomonjan, Javad Keypour.

Keywords on the research group's studies

Võtmesõnad

law and technology; EU legal policy; Digital Single market, artificial intelligence and law, regulating digital services, Metaverse and law.

tehnoloogiaõigus, Euroopa õiguspoliitika, digitaalne turg, tehisintelligents ja õigus, digiteenuste, õiguslik regulatsioon, Metaversum ja õigus.

Overview of the competencies of the research group

Kompetentsid

The research topics are related to law and technology and transfer of knowledge of legal skills.

Uurimissuunad on seotud tehnoloogiaõigusega ja vastavate õiguslike oskuste teadmussiidetega

- Law and eTechnologies: e-residency, cryptocurrencies, smart contracts, 3D printing, software agents, digital evidence, artificial intelligence, legal policies and modern technologies. Privacy law. Cyber security. Ethics of law and technology. General Data Protection Regulation (GDPR), human rights in European digital era. Rights and duties of digital e-trading.
- ICT law: freedom of expression, e-governance, regular legal analysis of media and communications legislations.
- Õigus ja e-tehnoloogiad: e-residentsus, krüptoraha, targad lepingud, 3D printimine, tarkvaraagendid, digitõendid, tehisintellekt, moodsad tehnoloogiad ja õiguspoliitika. Privaatsusõigus, küberjulgeolekuõigus, eetika ja õiguse seosed. Andmekaitse määrus, inimõigused Euroopa digiajastul, digitaalse kaubandusega seonduvad õigused ja kohustused.
- IKT õigus: väljendusvabadus, e-valitsus, media ja kommunikatsiooni õiguslik analüüs.

Outstanding research results of the research group for the past year:

Together with the TalTech Legal Lab, The Embassy of Poland and The Polish-Estonian Chamber of Commerce, the research group organised a conference on cybersecurity and artificial intelligence.

Research group organized Proactive Law and Legal Design workshop together with the University of Lapland, Finland.

Representatives of the research group held an exhaustive presentation on Artificial Intelligence in Administrative and Court Proceedings in Estonia at Bucerius Law School, Hamburg.

Prof Tanel Kerikmäe contributed to the conference held in Singapore with his presentation: HOW TO REGULATE THE UNDEFINED? LEGAL PARADOXES OF VIRTUAL REALITY

Research group in partnership with KTH Royal Institute of Technology, Sweden, has arranged research and development seminar aimed on grant proposal writing and fund management.

Under 2022 Jean Monnet Actions in the field of Higher Education call, our research group received funding for Jean Monnet Chair and Jean Monnet Module, only department to do so in Estonia. JM Chair "Digital Europe and Future Integration" (PI: Dr. David Ramiro Troitiño); JM Module "Legal and Regulatory Governance of Artificial Intelligence Systems" (PI: Dr. Archil Chochia).

Prof. Katrin Nyman Metcalf and Prof. Tanel Kerikmäe were speakers at the e-Governance Conference with the presentation "Should We Automate Just Because We Can?".

Prof. Katrin Nyman-Metcalf spoke at the Hikma Summit of International Relations, in a session on "Cybersecurity: A new era for human rights".

Classification

Within the *TalTech Academic Development Plan priority areas*, the research team directly contributes to direction

- "4 - Future governance" and
- "5 - Innovative SME-s and digital economy"

In terms of *Frascati classification*, the RG activity relates to 5.5. (Social Sciences – subgroup Law).

CERCS

155 European Law/Euroopa õigus

S114 Võrdlev õigusteadus/comparative law

123 Informatics law/Informaatikaõigus

Honours/awards of the RG members at national/international level for the past year:

Tanel Kerikmäe received letter of appreciation for insightful contribution. Brussels School of Governance (VUB/UNU-CRIS Chair in Digital Sovereignty) and Certificate of recognition of the Scientific Board of Yearbook of European Union and Comparative Law.

Participation of the RG members in the activities of international R&D organizations, membership of foreign academies:

Tanel Kerikmäe is Head of the research group, prof. Tael Kerikmäe is invited Academic Fellow at The Centre for Technology, Robotics, Artificial Intelligence & the Law (TRAIL) of the National University Singapore (NUS) Law School and took part of Chezh Academy of Science funded project "The Advent, Pitfalls and Limits of Digital Sovereignty of the EU". He is also invited member of the project management consortium, Ph.D programme "Law and Digital Technologies", Faculty of Law, Palacký University

Katrin Nyman Metcalf is a Fellow Salzburg Global Seminar, Estonian Representative in the European Space Agency International Relations Committee, Head of Research at the e-Governance Academy: coordinating projects, expert work. Supervision of interns.

Sandra Särav is a Data Policy Director at Estonian Ministry of Economic Affairs and Communications.

Archil Chochia is Member of the Academic Ethics Committee, Tallinn University of Technology, visiting lecturer at Lille Catholic University, External expert at Polish National Science Centre.

Ondrej Hamulák is Vice dean for science and research - Faculty of Law, Palacký University Olomouc, Czech Republic.

Kaido Künnapas is a management board member of the International Fiscal Association Estonian branch

Projects/projektid:

ETR22050 "Changing Legal Environments and Digital Technologies" (1.07.2022–1.06.2023); Principal Investigator: Tanel Kerikmäe; Tallinn University of Technology , School of Business and Governance, Department of Law ; Financier: MTÜ XRP Ledger Trust; Financing: 120 000 EUR.

VEU22003 "Conflict Resolution with Equitative Algorithms 2" (1.06.2022–31.05.2024); Principal Investigator: Tanel Kerikmäe; Tallinn University of Technology , School of Business and Governance, Department of Law (partner); Financier: Commission of the European Communities; Financing: 143 006 EUR.

VERT20007 "European Union and the Challenges of Modern Society (legal issues of digitalization, robotization, cyber security and prevention of hybrid threats)" (1.09.2019–31.08.2022); Principal Investigator: Tanel Kerikmäe; Tallinn University of Technology , School of Business and Governance, Department of Law ; Financier: Commission of the European Communities; Financing: 37 623 EUR.

LEP19078MO (RITA1/02-96-08) "Machine learning and AI powered public service delivery" (1.09.2019–31.12.2021); Principal Investigator: Tanel Kerikmäe; Tallinn University of Technology , School of Business and Governance, Department of Law ; Financier: Estonian Research Council; Financing: 12 500 EUR.

VFP20040 "Mediatized Discourses on Europeanization and Their Representations in Public Perceptions" (1.01.2021–31.12.2024); Principal Investigator: Archil Chochia; Tallinn University of Technology , School of Business and Governance, Department of Law (partner); Financier: European Commission; Financing: 387 500 EUR.

LMOAE22053 "Survey on "Space as NATO's fifth military environment international law and dual-use space systems in this context"" (19.04.2022–10.12.2022); Principal Investigator: Katrin Nyman-Metcalf; Tallinn University of Technology , School of Business and Governance, Department of Law ; Financier: Ministry of Foreign Affairs; Financing: 23 800 EUR.

MINV21066 "Building a legislative framework for securing Georgia's strategic assets" (1.09.2021–31.08.2023); Principal Investigator: Archil Chochia; Tallinn University of Technology , School of Business and Governance, Department of Law (partner); Financier: Ministry of Foreign Affairs; Financing: 72 076 EUR.

VERT22032 "Legal and Regulatory Governance of Artificial Intelligence Systems" (1.09.2022–31.08.2025); Principal Investigator: Archil Chochia; Tallinn University of Technology , School of Business and Governance, Department of Law ; Financier: Commission of the European Communities; Financing: 30 000 EUR.

VFP20030 "Mapping Uncertainties, Challenges and Future Opportunities of Emerging Markets: Informal Barriers, Business Environments and Future Trends in Eastern Europe, The Caucasus and Central Asia" (1.08.2020–30.04.2025); Principal Investigator: Abel Polese, Tanel Kerikmäe, Archil Chochia; Tallinn University of Technology , School of Business and Governance, Department of Law (partner); Financier: European Commission; Financing: 464 139 EUR.

VFP19049 "New Market: an exploration into the changing nature of business environments, informal barriers and emerging markets in the post-Soviet region" (1.07.2019–30.06.2024); Principal Investigator: Abel Polese, Tanel Kerikmäe, Archil Chochia; Tallinn University of Technology , School of Business and Governance, Department of Law (partner); Financier: Commission of the European Communities; Financing: 193 200 EUR.

Relevant Publications/olulised publikatsioonid:

- Nyman Metcalf, K.; Papageorgiou, I.F. (2022). Increasing Trust in the Digital Market Through Regional Rules: the Case of Asia. *Asia Pacific Journal On Human Rights and The Law*, 23 (2), 245–279. DOI: 10.1163/15718158-23020004.
- Kerikmäe, T. (2022). Artificial Intelligence and Legal Decision making in Public & Private Sector. e-Governance and Digital Transformation. Strathmore University Business School.
- Kerikmäe, T.; Ramiro Troitiño, D. (2022). Introducción. Digitalización de la Unión Europea: repercusiones y expectativas. *Revista CIDOB d'Afers Internacionals*, 131, 7–17.
- Kerikmäe, T.; Kajander, A. (2022). Gig economy workers in the European Union: towards changing their legal classification. *Revista CIDOB d'Afers Internacionals*, 131, 117–139. DOI: 10.24241/rcai.2022.131.2.117/en.
- Joamets, K. (2022). Plagiarism as a Legal Phenomenon and Algorithm-Based Decision Making. *TalTech Journal of European Studies*, 12 (2), 146–164. DOI: 10.2478/bjes-2022-0015.
- Valuch, J.; Hamulák, O. (2022). Association of Southeast Asian Nations (ASEAN). In: Sayapin, S., Atadjanov, R., Kadam, U., Kemp, G., Zambrana-Tévar, N., Quénivet, N. (Ed.). *International Conflict and Security Law*. (595–608). The Hague: T.M.C. Asser Press. DOI: 10.1007/978-94-6265-515-7_27.
- Polese, A.; Fradejas-García, I.; Šimić Banović, R.; Škokić, V.; Kerikmäe, T.; Luis Molina, J.; Alpeza, M.; Lubbers, M. J.; Camerani, A. (2022). Labour Mobility and Informality: Romanian Migrants in Spain and Ethnic Entrepreneurs in Croatia. *Politics and Governance*, 10 (2), 279–292. DOI: 10.17645/pag.v10i2.5166.
- Kerikmäe, T.; Troitiño, Ramiro, D. (Ed.) (2022). Kerikmäe, T.; Troitino Ramiro, D.. *Digital Development of the European Union - An Interdisciplinary Perspective*. Springer Verlag.
- Ramiro Troitiño, D. (2022). La estrategia de las instituciones de la Unión Europea ante el reto de digitalización. *Revista CIDOB d'Afers Internacionals*, 131, 17–40. DOI: 10.24241/rcai.2022.131.2.17.
- Ahmed, Rozha K.; Muhammed, Khder H.; Lips, Silvia; Nyman-Metcalf, Katrin; Pappel, Ingrid; Draheim, Dirk (2022). A legal framework for digital transformation. *SSRN Electronic Journal*, 1–20. DOI: 10.2139/ssrn.4182028
- Troitiño, D. R. (2022). The European Union Facing the 21st Century: The Digital Revolution. *TalTech Journal of European Studies*, 12 (1), 60–78. DOI: 10.2478/bjes-2022-0003.
- Adeleye, Jesujoba Tolulope; Ahmed, Rozha K.; Nyman-Metcalf, Katrin; Draheim, Dirk (2022). E-court transition process: identifying critical factors and recommendations for developing countries. In: Chugnov, Andrei V.; Janssen, Marijn; Khodachek, Igor; Misnikov, Yuri; Trutnev, Dmitrii (Ed.). *Electronic governance and open society: challenges in Eurasia : 8th International Conference, EGOSE 2021, Saint Petersburg, Russia, November 24-25, 2021, proceedings*. (305–317). Cham: Springer. (Communications in Computer and Information Science; 1529). DOI: [10.1007/978-3-031-04238-6_23](https://doi.org/10.1007/978-3-031-04238-6_23).
- Mazur, V.; Chochia, A. (2022). Definition and Regulation as an Effective Measure to Fight Fake News in the European Union. *European Studies: The Review of European Law, Economics and Politics*, 9 (1), 15–40.
- Tropp, E.-M.; Hoffmann, T.; Chochia, A. (2022). Open Data – a stepchild in e-Estonia’s Data Management Strategy? *TalTech Journal of European Studies*, 12 (1), 123–144. DOI: [10.2478/bjes-2022-0006](https://doi.org/10.2478/bjes-2022-0006).
- Polese, A.; Moise, G. M.; Lysa, O.; Kerikmäe, T.; Sauka, A.; Seliverstova, O. (2022). Presenting the results of the shadow economy survey in Ukraine while reflecting on the future(s) of informality studies. *Journal of Contemporary Central and Eastern Europe*, 30 (1), 101–123. DOI: 10.1080/25739638.2022.2044585.
- Keypour, J. (2022). European Union energy security: constructing a “shelter” for small states’ energy security preservation. *Slovak Journal of Political Sciences*, 22 (1), 48–78. DOI: 10.34135/sjps.220103.
- Keypour, J (2022). Replacing Russian gas with that of the United States: A critical analysis from the European Union energy security perspective. *Russian Journal of Economics*, 8 (2), 189–206. DOI: 10.32609/j.ruje.8.78026.
- Hamulák, O. (2022). Komentář k čl. 5 Smlouvy o fungování EU. Tomasek, M.; Šmejkal, V.. *Smlouva o EU, Smlouva o fungování EU, Listina základních práv EU. Komentář..* (26–27). Prague, Czech Republic: Wolters Kluwer CR.

Information on applied research and development activities of the research group:

The research group members gave a legal expertise for ICF delivering analysis for European Commission (DG Just) in the project: Framework Contracts on evaluation, impact assessment and related policy support services in the Justice and Consumers policy areas and another expertise for for Valdani Vicari & Associati for providing a report for Italian Ministry of Justice on Study on Design and Dissemination of IT System for Civil and Criminal Justice (REFORM/SC2020/090) and to the European Commission (Directorate General for Justice and Consumers) in the framework of Impact Assessment Study to support the preparation of an EU instrument on to help improve the resilience of our democracies and address the threats of interference in elections through greater transparency in political advertising, and other measures to promote resilient democracy in the EU.

The research group conducted a study for Bolt Eesti AS on Employment status of gig companies working force in EU/EEA member states.

Research Group “Private Law / Eraõigus”

1. Staff

Members of the research group:

1. RG head: Dr. Thomas Hoffmann, LL.M., Tenured Associate Professor, +372 5919 6614, Thomas.Hoffmann.hoffmann@taltech.ee
2. Postdoctoral fellows: Dr. Ágnes Kasper, Dr. Tatjana Evas-Peeters, Dr. Maria Claudia Claudia Solarte-Vasquez, Artem Boyarchuk
3. Doctoral students: Pawan Dutt, Alexander Antonov, Alekski Kajander, Ebru Metin
4. Non-academic members: Karine Veersalu

2. Keywords on the research group's studies:

Algorithm-based decision-making and civil liability, blockchain and smart contracts, legal frameworks for industry 4.0/IoT, Cyber Security, Consumer Law, mixed methodologies (human-computer interaction), mediated transaction design, Alternative dispute resolution methods (arbitration and mediation), Labour Law, Legal Tech

3. Overview of the competencies of the research group:

Our research group is committed to producing ambitious cutting-edge work in the field of private law, having a special focus on private legal relationships in digital environments. Primarily designed to iteratively *develop expertise* on these matters, members of the research group aim to *share* and *disseminate* their work to complement legal and social discourses and, where identifiable and thus necessary, actualize societal change therein. We aim to *contribute* to international, European, national and regional debates on these matters, *address* traditional and novel legal problems with a varied toolbox of methods, and, where appropriate, based on developed expertise, propose nuanced policy-recommendations and context-specific legal advice.

We intend to achieve this by interdisciplinarity, scholarly thoroughness, and the courage to go beyond the mainstream of research in our discipline. Big data, IoT, AI and the respective legal interferences of their implementation and use in society form the core subject of our research, but we have also focused on legal implications of the Gig-economy, competition law and data governance issues in Smart Cities, digital evidence, online dispute resolution and LegalTech. Also research on HCI and HCI research methods, mixed research methodology, international business transactions international mediation forms an essential part of our competencies.

The research group draws inspiration from interdisciplinary scholarships, thereunder Science and Technology Scholarship (STS) and incorporates elements of the Value-Sensitive Design framework into discussions on societally acceptable, inclusive, human-centric and thus innovative governance mechanisms in private legal relationships. The main rationale underlying the research group's meetings is to iteratively reflect on how to configure private legal relationships so as to make them societally viable if not sustainable in a socio-ecological data-driven environment.

4. **Outstanding research results** of the research group for the past year:

Our research group has been awarded three major EU-funded tenders in 2022:

- VEU22002 "Small Claims Analysis Net II" (1.03.2022–29.02.2024),
- VEU22003 "Conflict Resolution with Equitative Algorithms 2" (1.06.2022–31.05.2024), as well as
- 101102743 "Traceability Reference Architecture Conformant EBSI for European Union" ("Trace4EU", 1.03.2023-28.02.2025). Trace4EU has a total budget of 7,024 million Euro, of which 50 % are funded by the EU within the call "Accelerating best use of technologies (DIGITAL-2022-DEPLOY-02) in the Digital Europe Programme (DIGITAL).

5. **Classification**

5.1. Within the *TalTech Academic Development Plan priority areas*, the research team directly contributes to direction

- "4 - Future governance" and
- "5 - Innovative SME-s and digital economy"

5.2 In terms of *Frascati classification*, the RG activity relates to 5.5. (Social Sciences – subgroup Law).

5.3. The three subfields related to on terms of the *CERCS-classification* are

- S123 (IT law),
- S124 (IP Law) and
- S130 (Civil Law).

6. **Honours/awards of the RG members** at national/international level for the past year:

- DAAD research grant at MLU Halle-Wittenberg, DE (Thomas Hoffmann)
- Colombian War Academy (Escuela Superior de Guerra "General Rafael Reyes Prieto" (ESDEG), Maria Claudia Solarte-Vasquez)
- ISACA CSX certificate 'Cybersecurity Fundamentals V3' (Ágnes Kasper)
- Acceptance to CGI's SEEDS programme in collaboration with United Nations and Center for AI and Digital Policy's Spring Clinic 2023 (Ebru Metin)

7. **Participation of the RG members** in the activities of international R&D organizations, membership of foreign academies:

- Ágnes Kasper:
 - Member of European Artificial Alliance
 - Member of research advisory group at Global Commission on the Stability of Cyberspace
- Maria Claudia Solarte-Vasquez:
 - CES University, Faculty of law, Docent (Derecho informatico - IT law)
 - Member of the Proactive Law network and the Plain Language Association of Latam
 - Member of the Centre of Military Doctrine Development of the Colombian Armed Forces research group since 2019
- Thomas Hoffmann:
 - MLU Halle-Wittenberg, Faculty of Law, Visiting Professor;
 - Member of Wissenschaftliche Gesellschaft für Recht und Blockchain-Technologie e.V., Institut für Recht, Wirtschaft und Handel im Ostseeraum e.V., and Verein Ostrecht Kiel e.V.
- Pawan Dutt: Coordinator on behalf of TalTech for the European Patent Office and European Union Intellectual Property Office (sponsored Pan-European Seal Professional Traineeship Programme)

- Ebru Metin: World Council Member of World Commerce and Contracting, Ambassador of European Legal Technology Association

8. Information on applied research and development activities of the research group:

8.1. Applications in business, economics, society (references to projects, contracts, etc.):

- Ágnes Kasper:
 - has raised cyber awareness among students for Public Administrations within VERT20073 (together with Anna-Maria Claudia Solarte-Vasquez Osula),
 - External expert for EUCybenet project
 - Agnes Kasper Kasper and Aleksi Kajander contributed to the “Strategilise TA tegevuse toetamine (RITA1)” project LSVOI19596 through an expert report on Cyber Security
- Maria Claudia Solarte-Vasquez:
 - Private practice as mediator and in contract management
 - Reviewer for the Cycon conference and 4 WOS publications on law, law and management and critical infrastructures
 - Expanding the network for the legal lab with focus on proactive law and legal design (including mobility projects)
 - Speaker at various academic events on legal design (plain language), and legal usability
 - Participating in the awarded project JUST D3 to prepare a type A report for the EC on the development of a concept for a compendium/statute of EU rights with proposals and suggestions to better inform the citizens (focusing personally on issues of information architecture)
 - Planning the first research design on biometric study of the department about legally relevant communication and information (subcontracted)
 - Managing the project VERT22017 on sustainable HR
 - Participated in 6 Horizon proposals, writing and managing 2 (ASTUTE HORIZON-CL4-2022-HUMAN-02 and BestMATE HORIZON-CL4-2022-HUMAN-02), one LIFE PJG (LIFE22-GIC-EE-LIFE DIGUP LIFE-2022-SAP-CLIMA), and one Erasmus LS (InnoReady ERASMUS-EDU-2022-PI-ALL-INNO).
- Thomas Hoffmann:
 - Of-counsel at bnt attorneys in CEE
 - Reviewer for Funding applications and the National Contest for University Students for ETAG (Estonian Research Council)
 - applying for/working on the research projects mentioned under 4.
- Pawan Dutt:
 - European Union Intellectual Property Office (EUIPO) sponsored institutional collaboration. Participated in the Network of IP Academies (NIPA) Annual Meeting in December 2022 in Alicante. Developing common synergies for Intellectual Property education and training between members of the PES Universities, National IP Offices and Talent Bank Associated Partners across Europe.
 - Participated in CASPA SUMMER SCHOOL – CYBERDIPLOMACY under the CASPA PROJECT for Cyber Aware Students for Public Administrations in September 2022. Interacted with participants/project partners and delivered a lecture on Rights, obligations and Liability of Actors on the Internet. (Budapest, University of Public Service LUDOVIKA).
 - Contributed to second EU national report on the Legal Status of Information Society Service Providers in the Pre- and Post-CDSM Directive Era (Directive (EU) 2019/790), with emphasis on Post-CDSM Directive Legal Landscape. Nemzeti jelentéstevő kutatói feladat ellátása a H2020 ReCreating Europe kutatási programban (Working Package 6) (Szeged, Hungary, University of Szeged, Faculty of Law and Political Sciences, Institute of Comparative Law and Legal Theory).
 - Delivered an online lecture on 4th April 2022 on "Introduction to Intellectual Property Law" to Ukrainian students under the Academic Bridge program between Estonian and Ukrainian Universities. (Kherson State University, Kherson).

- Contributed to first EU national report on the Legal Status of Information Society Service Providers in the Pre- and Post-CDSM Directive Era (Directive (EU) 2019/790). Nemzeti jelentéstevő kutatói feladat ellátása a H2020 ReCreating Europe kutatási programban (Working Package 6) (Szeged, Hungary, University of Szeged, Faculty of Law and Political Sciences, Institute of Comparative Law and Legal Theory)
- Aleksi Kajander:
 - Co-coached a combined team of students from TalTech and University of Public Service for the Cyber 9/12 competition as a part of the CASPA (VERT20073) project
 - Co-supervised and prepared TalTech Law School bachelor students for the Helsinki Information Law Moot 2022 (together with Alexander)
 - Participated in the CASPA Summer school in September 2022, delivered a lecture on “Cyber Crisis Management”
 - Contributed to the “Strateegilise TA tegevuse toetamine (RITA1)” project LSVOI19596 with Agnes Kasper through an expert report on Cyber Security
- Alexander Antonov:
 - Delivered an online presentation on 'Legal Aspects of Digital Sovereignty: An EU Perspective' as part of Olomouc Juridical Days 2022, Palacký University Olomouc
 - Delivered an online lecture on 'Legal Aspects of Digital Sovereignty: An EU Perspective' as part of the International Academic Support Project Freedom of Education, Department of National, International Law and Law Enforcement, Kherson State University
 - Submitted abstract on 'Conceptualizing Ethical Challenges in Development and Usage of Artificial Intelligence Systems: Towards Ethics by Design' for the International Scientific and Practical Conference 'STRATEGIC PRIORITIES OF THE DEVELOPMENT OF THE ECONOMY, MANAGEMENT, SERVICE INDUSTRY AND LAW IN THE CONDITIONS OF INTEGRATION PROCESSES' – organizer, Kherson State University
 - Selected, co-supervised and prepared TalTech Law School bachelor students for the Helsinki Information Law Moot 2022 (together with Aleksi Kajander)
 - Participated in Student Conference 'Law, AI and Other Technologies' (LAITECH) 2022 with a presentation on 'The EU's Approach to AI Governance: Towards Trust, Excellence or Both?'
 - Reviewer for LAITECH 2023
 - Reviewer for TalTech Journal of European Studies (TJES)
 - Contact person for Moot Courts at TalTech Law School
- Artem Boyarchuk:
 - contributor to the EU-JUSTICE projects SCAN2 and CREA2
 - contributor and local coordinator of Erasmus+ projects SMART-PL, MOVEX
 - in charge of setting up micro-degree course on Web3 Legal
- Ebru Metin:
 - Coordinated a COST application for International Network for Proactive Law
 - Planned and coordinated the first Proactive law Panel at the Law Department, which facilitated the initiation of negotiations for an institutional agreement
 - Participated actively in the documentation and editing of one Horizon proposal (BestMATE) and one Life DG project on digital waste reduction standards (LIFE22-GIC-EE-LIFE DIGUP LIFE-2022-SAP-CLIMA).
 - Supervising one Ma student on Society-Centered AI
 - Wrote a proposal for a conference paper on People's centredness and the law.

8.2. Where the results of ongoing projects/contracts (developed technology, innovative solutions and competencies) can be applied:

- Project “Kratt for Contracts” (Thomas Hoffmann)

- Development and testing of any product, service, interaction, process or system with legal relevance, especially contracts and dispute resolution strategies, Strategic contractual management (Maria Claudia Solarte-Vasquez)
- Increasing cooperation with European Union Intellectual Property Office (EUIPO). Have made a proposal to the EUIPO to host, in TalTech, the Network of IP Academies (NIPA) Annual Meeting to discuss IP and RDI issues in Europe. Have received the approval of Tanel and the backing of the Rector in this regard. The event will be co-funded by the EUIPO (Pawan Dutt)

UURIMISRÜHM Rahvusvahelised suhted, julgeolek, õigus ja tehnoloogia/International relations, security, law and technology

RG Head/ Uurimisgrupi juht Dr. Holger Mölder +3725130764; TTÜ majandusteaduskonna õiguse instituudi dotsent; holger.molder@taltech.ee; ORCID 0000-0003-2481-2735.

Members/liikmed: Dr. Antonius Notermans ([0000-0002-0743-3234](https://orcid.org/0000-0002-0743-3234)); Dr. Evhen Tsybulenko ([0000-0003-4977-9441](https://orcid.org/0000-0003-4977-9441)); Vlad Alex Vernygora (0000-0003-2614-892X).

Dr. Peeter Mürsepp (omaette uurimissuund teadusajalugu ja teadusfilosoofia/history of science & philosophy of science) (0000-0002-5515-4918);

Dr. David Ramiro Troitino ([0000-0002-0542-5724](https://orcid.org/0000-0002-0542-5724)); Dr. Abel Polese ([0000-0003-3401-2192](https://orcid.org/0000-0003-3401-2192)); Dr. Agnes Kasper ([0000-0003-3842-6448](https://orcid.org/0000-0003-3842-6448)); Dr. Archil Chochia ([0000-0003-4821-297X](https://orcid.org/0000-0003-4821-297X)), Dr. Katrin Nyman-Metcalf, ([0000-0003-0544-0710](https://orcid.org/0000-0003-0544-0710)) are also members of RG "Legal Policy and Normative Framework of EU Digital Market and Technologies and its Application in Partner Countries".

Märksõnad/keywords: Cyber and Information Security; International Relations and Technological Challenges; Economic Security; Political Economy; International Law; European Union; History of Science.

Relevant Publications/olulised publikatsioonid:

Mölder, H. (2022). The Prospects of Strategic Imagination in Explaining International Security Challenges. Quality & Quantity. DOI: [10.1007/s11135-022-01386-w](https://doi.org/10.1007/s11135-022-01386-w).

Munkøe, M.; Mölder, H. (2022). Cybersecurity in the era of hypercompetitiveness: can the EU meet the new challenges? Revista CIDOB d'Afers Internacionals, 131, 69–92. DOI: [10.24241/rcai.2022.131.2.69/en](https://doi.org/10.24241/rcai.2022.131.2.69/en).

Mürsepp, Peeter; Jakubik, Maria (2022). The Rationality of Wisdom-Inquiry and Redefining the Tasks of Universities. Balkan Journal of Philosophy, 14 (1), 41–52. DOI: [10.5840/bjp20221416](https://doi.org/10.5840/bjp20221416).

Bekenova, Z.; Mürsepp, P.; Nuryшева, G.; Turarbekova, L. (2022). Artificial Intelligence, Value Alignment and Rationality. TalTech Journal of European Studies, 12 (1), 79–98. DOI: [10.2478/bjes-2022-0004](https://doi.org/10.2478/bjes-2022-0004).

Notermans, T.; Piattoni, S. (2022). Italy and Germany, Incompatible Varieties of Europe? London: Routledge.

Troitino, D. R. (2022). The European Union Facing the 21st Century: The Digital Revolution. TalTech Journal of European Studies, 12 (1), 60–78. DOI: [10.2478/bjes-2022-0003](https://doi.org/10.2478/bjes-2022-0003).

Ramiro Troitino, D. (2022). El futuro digital de la política europea. Revista CIDOB d'Afers Internacionals, 131.

Tsybulenko, E. (2022). Fuel air explosive weapons. In: Sayapin, S.; Atadjanov, R.; Kadam, U; Kemp, G.; Zambrana-Tévar, N.; Quénivet, N. (Ed.). International Conflict and Security Law. A Research Handbook. (379–388). The Hague: Springer. DOI: [10.1007/978-94-6265-515-7_17](https://doi.org/10.1007/978-94-6265-515-7_17).

Polese, A.; Fradejas-García, I.; Šimić Banović, R.; Škokić, V.; Kerikmäe, T.; Luis Molina, J.; Alpeza, M.; Lubbers, M. J.; Camerani, A. (2022). Labour Mobility and Informality: Romanian Migrants in Spain and Ethnic Entrepreneurs in Croatia. Politics and Governance, 10 (2), 279–292. DOI: [10.17645/pag.v10i2.5166](https://doi.org/10.17645/pag.v10i2.5166)

Projects/projektid:

VFP20040 "Europaniseerumine läbi meedias kajastatud diskursuste ja avalikkuse tajude analüüs" (1.01.2021–31.12.2024); Vastutav täitja: Archil Chochia; Tallinna Tehnikaülikool, Majandusteaduskond, Õiguse instituut (partner); Finantseerija: Euroopa Komisjon; Eraldatud summa: 387 500 EUR. Põhitäitjad: Holger Mölder; David Ramiro Troitiño.

MINV21066 "Gruusia strateegiliste varade kindlustamiseks õigusliku raamistiku loomine" (1.09.2021–31.08.2023); Vastutav täitja: Archil Chochia; Tallinna Tehnikaülikool, Majandusteaduskond, Õiguse instituut (partner); Finantseerija: Välisministeerium; Eraldatud summa: 72 076 EUR. Põhitäitja: Holger Mölder.

LMOAE22053 "Uuring "Kosmosele kui NATO viiendale sõjapidamise keskkonnale rakenduv rahvusvaheline õigus ja kahese kasutusega kosmosesüsteemid selles kontekstis"" (19.04.2022–10.12.2022); Vastutav täitja: Katrin Nyman-Metcalf; Tallinna Tehnikaülikool, Majandusteaduskond, Õiguse instituut ; Finantseerija: Välisministeerium; Eraldatud summa: 23 800 EUR. Põhitäitja: Holger Mölder.

VERT20073 "Küberteadlikud tudengid riigisektori jaoks" (1.12.2020–31.08.2023); Vastutav täitja: Anna-Maria Osula, Ágnes Kasper; Tallinna Tehnikaülikool, Majandusteaduskond, Õiguse instituut ; Finantseerija: Euroopa Komisjon; Eraldatud summa: 65 812 EUR. Põhitäitja: Holger Mölder. Täitja: Vlad Alex Vernygora.

VEU22043 "Balti kett" (1.01.2023–31.12.2024); Vastutav täitja: Archil Chochia, David Ramiro Troitiño; Tallinna Tehnikaülikool, Majandusteaduskond, Õiguse instituut; Eraldatud summa: 218 215 EUR. Põhitäitjad: Evhen Tsybulenko, Peeter Mürsepp.

VERT22030 "Digitaalne Euroopa ja tulevane integratsioon" (1.09.2022–31.08.2025); Vastutav täitja: David Ramiro Troitiño; Tallinna Tehnikaülikool, Majandusteaduskond, Õiguse instituut ; Eraldatud summa: 50 000 EUR.

VERT20066 "Liitreaalsus füüsikas õppuritele" (1.09.2020–31.08.2023); Vastutav täitja: Peeter Mürsepp; Tallinna Tehnikaülikool, Majandusteaduskond, Õiguse instituut (partner); Finantseerija: Euroopa Komisjon; Eraldatud summa: 28 227 EUR.

VEU20036 "Nanseni pärand: rände -ja pagulasprobleemide lahendamine ja humanitaarabi" (1.01.2021–30.06.2022); Vastutav täitja: David Ramiro Troitiño; Tallinna Tehnikaülikool, Majandusteaduskond, Õiguse instituut ; Finantseerija: Euroopa Komisjon; Eraldatud summa: 100 000 EUR.

Outstanding results/Väljapaistvad saavutused:

Rahvusvahelise ajakirja toimetamine: Mürsepp, P. (Ed.) (2020). Acta Baltica Historiae et Philosophiae Scientiarum 9(1); 9(2)

Rahvusvahelise kogumiku toimetamine: Ramiro Troitiño, D.; Martín de la Guardia, R.; Pérez Sánchez, G. A. (2022). The European Union and its Political Leaders. Germany: Springer, Cham. DOI: [10.1007/978-3-030-96662-1](https://doi.org/10.1007/978-3-030-96662-1).

Rahvusvahelise konverentsi septsiooni korraldamine: 2022 ECPR Joint Sessions, The University of Edinburgh & Online, 19–22 April. Workshop Producing cultural change: how political populism and extremism can influence the development of international political and security environment? (H.Mölder, co-chair C. Voinea).

Rahvusvahelise küberdiplomaatia võrgustiku CYDIPLO konverentsi „The Great Powers and Cyber Diplomacy“ korraldamine TalTechis 13.-14. detsembril 2022 (H. Mölder, koos A. Kasper ja A.M. Osulaga).

Ettekanded rahvusvahelistel konverentsidel Lissabonis (mai 2022), Tübingenis (september 2022) ja ISMS konverentsil Lissabonis (oktoober 2022) H.Mölder

TalTech priorities/TalTech prioriteetid: Future governance; Smart and energy-efficient environments.

Frascati Manual 5.6: political science; 5.9: other social sciences

CERCS: Poliitikateadused, administreerimine (S170); Rahvusvaheline era- ja avalik õigus (S150); Teaduse ajalugu (H260)

Participation/Liikmelisus:

Holger Mölder: The International Studies Association (ISA); The European International Studies Association (EISA); Association for the Advancement of Baltic Studies (AABS); ECPR Research Network on Political Culture; ECPR Research Network on Political Culture, ECPR Research Framework on Political Anticipation (member of the Board). Editorial Board of SN Social Sciences.

David Ramiro Troitino: Uruguay Katoliku Ülikooli ja Vigo Ülikooli külalisprofessor,

Peeter Mürsepp: Al-Farabi Kazakh National University külalisprofessor; Eesti Kunstiakadeemia külalisdotsent; Rahvusvahelise Teaduse Ajaloo Akadeemia korrespondentliige ja Teadus- ja Tehnikaajaloo Divisjoni assessor; Teadusajaloo ja Teadusfilosoofia Eesti Ühenduse esimees; Euroopa Teaduse Ajaloo Ühenduse liige.

Antonius Notermans: European Studies Association; Maailma Majandusteaduse Assotsiatsioon.

Expertise/ekspertiis:

Panustamine Eesti Kaitseväe Akadeemia ja Lissaboni Militaarülikooli (IUM) (H.Mölder); Tallinna ülikooli (A.Polese) ja Tartu Ülikooli ning Al-Farabi nimelise Kasahhi Rahvusülikooli (P.Mürsepp) juhitavatesse projektidesse. Contribution to projects managed by the Estonian Military Academy and IUM Lissabon (H. Mölder); University of Tallinn (A.Polese) and the University of Tartu and the Al-Farab Kazakh National University (P. Mürsepp).

Rahvusvaheliste organisatsioonide, avaliku ja erasektori nõustamine sise- ja välisjulgeoleku küsimustes (H.Mölder) ning Euroopa Liidu digitaalse turu ning rände- ja pagulasprobleemide valdkonnas (D.Ramiro Troitino). Advising international organizations, public and private sector on domestic and international security issues (H. Mölder) and the European Union's digital market and migration and refugee issues (D. Ramiro Troitino).