# ODEON Open Call Public Summary

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**Project acronym:** ODEON

**Project grant agreement number:** 101136128

**Project full name:** Federated Data and Intelligence Orchestration and Sharing for the Digital Energy Transition

The innovation action ODEON, co-funded from the European Union's Horizon Europe research and innovation programme under grant agreement No 101136128, launched its Open Call for recipients to receive financial support to third parties.

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## CALL PUBLICATION

The call was launched on **8 April 2026, 09:00 CEST**.

The call closed on **9 July 2026, 17:00 CEST**. It remained open for three months.

The call was published on the ODEON project website https://opportunities.getonepass.eu/open-opportunities/odeon/opencall and on the Horizon Europe Funding & Tenders Portal. Full call details, including the Guide for Applicants, the Terms and Conditions and the draft Sub-Grant Agreement, were published athttps://opportunities.getonepass.eu/open-opportunities/odeon/opencall.

The following channels were also used to promote the call:

- ODEON online community provided by project partner FundingBox: https://discord.com/invite/mWtYt9tk5D
- ODEON social media: LinkedIn and X, together with partners' social networks and newsletters
- FundingBox SME network and community
- BRIDGE initiative
- DAIRO Energy Task Force and AIOTI Energy Working Group
- GAIA-X Energy Working Group
- International Data Spaces Association (IDSA)
- Intnet CSA
- Hedge-IoT sister project
- Enterprise Europe Network
- A dedicated ODEON Open Call microsite carrying the full applicant documentation package
- Two applicant webinars, each followed by a Q&A session, with the recordings and presentations published afterwards
- A dedicated helpdesk (ODEON.helpdesk@fundingbox.com) for questions and complaints
- Partner newsletters and e-mail campaigns, supported by a consortium-wide Communication Toolkit

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## NUMBER OF ODEON PROPOSALS RECEIVED AND SELECTED FOR FINANCIAL SUPPORT

**The evaluation and selection have been completed. All proposers have been informed about the evaluation results for their proposal for financial support.**

A total of **314** proposals were received, submitted from **32 countries** and requesting a combined €18.9 million against an available budget of €1.2 million — an oversubscription of more than fifteen times.

- **336** proposals submitted
- **314** eligible proposals evaluated — all proposals received passed the admissibility and eligibility check, and none was rejected for formal reasons
- **221** proposals in scope, following the in/out-of-scope screening by the Selection Committee
- **163** proposals evaluated above threshold, following independent evaluation by two external experts per proposal against Excellence, Impact and Implementation
- **30** proposals selected for the Jury Day, held on 10, 12 and 14 September 2026
- **20** proposals in the first list pre-selected for financial support
- **5** proposals in the reserve list

Based on the decision taken at the Jury Day and the subsequent formal and ethics check of the pre-selected proposals, **20** proposals were selected for the 10-month ODEON Support Programme, each receiving Technical and Financial Support of up to **€60,000.00**, awarded as a fixed lump sum and paid in three tranches. The total financial support awarded is **€1,200,000.00**.

## DISTRIBUTION OF THE SELECTED PROPOSALS

The 20 selected proposals address 12 of the 13 published challenges, with no proposal selected against Challenge 1. They are distributed as follows:

- **Challenge 2** — Federated Edge-AI Pilot: 2
- **Challenge 3** — Edge-deployable bi-directional data connector for residential energy assets: 1

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- **Challenge 4** — Next-day load baseline calculation for LFM participation: 1
- **Challenge 5** — LV grid voltage violations prediction: 1
- **Challenge 6** — Flexibility profiling and baselining for implicit demand response: 2
- 
- **Challenge 7** — Smart charging V2G/G2V under grid signals: 3
- **Challenge 8** — Sharing coefficients for an energy community with central PV: 1
- **Challenge 9** — Forecasting services for local energy communities: 2
- **Challenge 10** — Prosumer understanding through what-if scenario analysis: 3
- **Challenge 11** — Reliability and performance awareness of residential DERs: 1
- **Challenge 12** — Structuring residential flexibility for demand response and aggregation: 1
- **Challenge 13** — Cross-dataspace interoperability and energy AI services: 2

By country of registration, the selected beneficiaries are established in nine countries: Greece (7), Spain (5), France (2), and one each in Bulgaria, Croatia, Estonia, Germany, Slovenia and the United Kingdom. Eighteen are SMEs and two are startups.

## THE SELECTED PROPOSALS

The final list of winning proposals is:

| Project name | Company name | Country | Challenge addressed | Project description |
|---|---|---|---|---|
| **CLARITY** | PLEGMA LABS Technologikes Lyseis Anonymos Etairia | Greece | 13. Cross-dataspace interoperability and energy AI services | Device-resolved residential flexibility for DSOs, aggregators and retailers: how much demand can shift, by appliance class, and in which window. CLARITY disaggregates whole-home measurements at the household gateway, separating deferrable loads such as air conditioning and water heating from base load, and aggregates the result into portfolio-level flexibility envelopes that can be contracted across a dataspace boundary. |

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| **DERMA** | LIBRA AI Technologies Private Company | Greece | 11. Reliability and performance awareness of residential DERs | DERMA detects early degradation, faults and misconfiguration in residential PV, battery and EV assets from existing 15-minute data, with no new hardware. It learns each asset's expected output and reads the residual, so no labelled fault data is needed, and a bounded retrieval-augmented awareness layer turns each anomaly into a cited cause and a recommended action in plain language. |
| **DUET** | Sunesis | Slovenia | 13. Cross-dataspace interoperability and energy AI services | Deep-learning PV generation forecasting, deployed as a discoverable asset that can be contracted across a dataspace boundary. DUET federates ODEON with the HEDGE-IoT dataspace, with a genuine provider on one side and an operational consumer on the other, so that forecasts are exchanged under enforceable dataspace contracts while raw data stays under owner control. |
| **ENVELOP** | E-KINESIS P.C. | Greece | 12. Structuring residential flexibility for DR and aggregation | ENVELOP turns residential EV, battery and PV data into standardised, time-dependent flexibility envelopes that aggregators can bid on. It extracts representative driver and charging profiles from history, combines them with a physical vehicle model, and produces EV descriptors covering connection probability, connection time and state of charge at arrival. |

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| **FaST-RE** | Notrelec | France | 8. Sharing coefficients for energy communities with central PV | FaST-RE turns energy-sharing coefficients from ex-post accounting into a fair, day-ahead decision for communities with central PV. Coefficients are computed as decision variables of an optimisation under uncertainty rather than as a declared or pro-rata key, with objectives combining community self-consumption, fairness across members and configurable protection of vulnerable members. |
| **FEDRA** | Level 909 Soluciones Tecnológicas, S.L. | Spain | 2. Federated Edge-AI Pilot | FEDRA detects anomalies and early degradation in distributed energy resources without any raw data leaving the asset owner. Lightweight local models train on Raspberry Pi 4-class edge nodes across the ODEON pilots and only model updates are exchanged, while a robust aggregator running in its own AI container combines the updates and resists malicious or failing nodes. |
| **FEDRA** | up2metric P.C. | Greece | 2. Federated Edge-AI Pilot | This FEDRA gives prosumers and energy communities real-time awareness of how reliably their distributed energy resources are performing. It retrieves the ODEON forecast for each resource, computes calibrated residuals between expected and observed behaviour, and uses a lightweight, uncertainty-aware detector to flag underperformance, drift and faults at the edge. |

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| **FLEETFLEX** | Bia Power Grid SL | Spain | 7. Smart charging V2G/G2V under grid signals | FLEETFLEX turns EV fleets into grid flexibility assets, cutting charging costs while unlocking DSO demand response. It combines three capabilities not previously validated together at fleet scale in real operating conditions, and dispatches V2G within configurable state-of-charge, depth-of-discharge and operational-readiness limits so that vehicle availability and battery health are protected. |
| **FLEX-BASE** | Neurofai GmbH | Germany | 6. Flexibility profiling and baselining | FLEX-BASE produces probabilistic counterfactual baselines with calibrated confidence intervals for implicit demand-response campaigns. It adds temporally stable flexibility segmentation, so operators know which customer clusters are eligible before a campaign starts, and per-cluster causal price-response evidence with verified kWh shifted and confidence intervals afterwards. |
| **FlexEV** | Sixphere Technologies, S.L. | Spain | 7. Smart charging V2G/G2V under grid signals | FlexEV quantifies per-vehicle battery degradation so that aggregators know the marginal wear cost of every V2G dispatch, resolving the conflict between V2G revenue from DSO flexibility requests and the battery ageing each cycle causes. A Temporal Fusion Transformer wear model feeds a matheuristic optimiser that co-optimises cost, grid signals and battery life. |

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| **HERMES** | Artificial Intelligent Objects | Greece | 7. Smart charging V2G/G2V under grid signals | HERMES applies distributed multi-agent reinforcement learning to V2G/G2V fleet charging under grid signals. Every charger runs its own agent and a difference-reward coordinator credits each one for its share of the fleet objective, so the fleet follows the price signal and answers a flexibility request together without any charger seeing another's data. |
| **FLEX-PRO** | SUSTENERGO CERTH Spin-off Private Company | Greece | 6. Flexibility profiling and baselining | FLEX-PRO builds implicit demand-response analytics for local energy communities: baselines, flexibility profiles and confidence intervals derived from how users actually respond to dynamic tariffs. It treats implicit demand response as an interpretable parameter-identification problem, estimating utility parameters per user or cluster from real consumption observed under normal and dynamic-price conditions, and produces campaign-design indicators showing when a price signal is likely to work and how much flexibility can safely be relied on. |
| **METROCASST** | Random Red d.o.o. | Croatia | 4. Next-day load baseline for LFM participation | METROCASST produces day-ahead load baselines at secondary substation level with calibrated uncertainty, for DSO participation in local flexibility markets. Each prediction carries a coverage-guaranteed interval and a versioned, standards-aligned record of inputs, model and method, and a paired application translates the baseline into the flexibility volume required for congestion relief. |

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| **NeuroProsume** | Kentro Proigmenis Erevnas kai Anaptyxis Technitis Noimosynis | Greece | 10. Prosumer understanding through what-if analysis | NeuroProsume is an explainable what-if scenario service for residential consumers and prosumers, built as a modular neuro-symbolic application. Users explore predefined scenarios on historical or representative synthetic household data, and each scenario shows the effect on energy cost, self-consumption, renewable utilisation and grid dependency. |
| **PULSE** | YTHION OÜ | Estonia | 9. Forecasting services for LECs | PULSE fuses demand, generation, tariff, flexibility and uncertainty signals into a single Forecast-to-Plan Pack per time window. Each pack states expected surplus or shortage, candidate flexibility windows, cost exposure and the residual community profile, and every output carries its confidence, data quality and provenance. |
| **SENSE** | THEFUTURECATS Anonymi Etaireia | Greece | 10. Prosumer understanding through what-if analysis | With SENSE a household adjusts its consumption, production, tariff and assets and sees the effect on energy cost, self-consumption and grid dependency. A light scenario engine runs predefined templates with a limited set of adjustable parameters over a real or synthetic profile, and a governed explanation layer turns every indicator change into a traceable, plain-language reason. |

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| **SYN-LEC** | Xilbi Sistemas de Informacion SL | Spain | 9. Forecasting services for LECs | SYN-LEC delivers day-ahead and intra-day forecasting intelligence for local energy communities, aggregators, consumers and prosumers. It combines demand, local generation, flexibility availability, price exposure, uncertainty and expected community balance in a single service, and uses synthetic energy-data augmentation where community history is sparse. |
| **THERCOM-BRIDGE** | V-LAB Ltd | United Kingdom | 3. Edge-deployable bi-directional data connector | THERCOM-BRIDGE supplies the last-mile connection between ODEON services and real residential assets, as a secure containerised edge connector. It integrates smart thermostats, radiator controllers, environmental sensors, smart plugs and connected household loads, providing a complete two-way pathway: telemetry upward, and verified command execution downward with comfort and safety checks. |
| **VOLTCAST** | LincLab Network SL | Spain | 5. LV grid voltage violations prediction | VOLTCAST predicts under- and overvoltage at low-voltage supply points where no real-time measurement exists. A first artefact reconstructs supply-point voltage from winding SCADA, meter energies and network topology; a second forecasts per-supply-point violation probabilities hourly, day-ahead and intraday, calibrated against the operator's event logs. |

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| **WattIf** | Core Ideas Ltd | Bulgaria | 10. Prosumer understanding through what-if analysis | With WattIf, users adjust PV, battery, tariff, consumption or EV parameters and see energy cost, self-consumption and grid dependency change. The headline numbers are always computed by an exact, deterministic engine that anyone can reproduce; machine learning and the language model touch only the inputs and the wording, never the numbers. |

Each of the 20 selected projects receives financial support of up to €60,000.00, awarded as a fixed lump sum and paid in three tranches across the 10-month Support Programme. The total financial support awarded under this call is €1,200,000.00.

*Entries 6 and 7 in the table are two unrelated projects that submitted under the same acronym, FEDRA, both under Challenge 2. They are distinguished here by the legal name of the applicant.*

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