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## EUROPEAN PARLIAMENT

Draft Budget of the European Union for the financial year 2018

# PRELIMINARY PROPOSAL FOR PILOT PROJECTS/ PREPARATORY ACTIONS

(TO BE CONFIRMED BY BUDGETARY AMENDMENT IN SEPTEMBER)

### Assessment phase

Title: **PP - Pilot Project**

Feasibility study for the distributed ledger technology applied to the European energy market

TABLED BY (Name, on behalf of a Political Group or Committee):

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(Please, also indicate a contact phone number and e-mail, if you would like an early contact with relevant Commission services)

### Section III: Commission

	Commission Draft Budget 2018		Amounts proposed <sup>1</sup>	
	Commitments	Payments	Commitments	Payments
<b>Budget Line N° &amp; Heading:</b>	1.Smart and Inclusive Growth a.Competitiveness for growth and jobs: includes research and innovation; education and training; trans-European networks in energy, transport and telecommunications; social policy; development of enterprises etc.			
Appropriations			600.000	600.000
Reserve *				

(\* Note: if you add an amount in reserve, you should also specify the conditions for releasing the reserve under 'remarks')

<sup>1</sup> The ceilings can be consulted in the Financial Regulation, (Article 54 (2) a) and b)) - OJ L 298 of 26.10.2012

**NOMENCLATURE:**

Create the following new line (PP or PA):

Pilot project - Feasibility study for the distributed ledger technology applied to the European energy market

**REMARKS:**

Add the following:

The project aims to set up a platform of best practices and technical advices, based on the experience and needs of the new actors in the energy market, thus helping the European Commission to stimulate the development of technical standards in the field of distributed ledgers.

To reach this objective, the following activities will be carried on during the project:

- ī Analysys of the existing distributed ledger based on blockchain technology. The analisys aims to understand the problems and the solutions found during the setup and use of distributed ledger in real cases.
- ī Analysys of the needs of all subjects involved in the energy market (institutionalised energy suppliers, prosumers organisations, energy communities organisations, etc.). A survey made in 2016 by the German Energy Agency (Dena) finds that 52% of German Energy actors already implemented or planned activities with respect to blockchain; the analisys will focus on these activities to understand the needs of these actors. Focus group with prosumers associations will be also carried out.
- ī Organisation of information events about distributed ledger based on blockchain technology
- ī Setup of a network for the subjects involved in the new energy market. Network will be a tool to disseminate and share best practices and technical advices between the participants.

**JUSTIFICATION:**

*Max 500 characters!*

The electrical grid will be increasingly decentralised. One of the keys will be investments in ICT and smarter technologies to modernize the grid and to increase possibilities for exchanges of micro-generated energy. Distributed ledgers, in combination with smart meters and storage facilities, have the potential to open new ways of sharing energy between prosumers. Technical standards in the field are needed to allow the interoperability of systemas among energy communities.