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AMENDMENTS: 27

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Distributed ledger technologies and blockchains: building trust with disintermediation

Draft motion for a resolution PE616.877 - 2017/2772(RSP)

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Amendments per language:

EN: 27

Amendment 1
Dario Tamburrano

Draft motion for a resolution
Recital A

Draft motion for a resolution

A. whereas Distributed Ledger Technology (DLT) can empower citizens by giving them *ownership of their own data*;

Amendment

A. whereas Distributed Ledger Technology (DLT) can empower citizens by giving them *the possibility to choose which data they want to share and thus creating new ways to strengthen data-ownership, transparency and trust*;

Or. en

Amendment 2
Dario Tamburrano

Draft motion for a resolution
Recital A a (new)

Draft motion for a resolution

A a. whereas DLT is an integrated technology which is able to keep the final and immutable record of all transactions in a database that is distributed across a series of computer systems in a network, rather than held in a centralised location;

Or. en

Amendment 3
Dario Tamburrano

Draft motion for a resolution
Recital B

Draft motion for a resolution

B. whereas DLT is a general purpose technology *with* strong potential to improve products and services by

Amendment

B. whereas DLT is a general purpose technology, *which aims at facilitating more secure and transparent transactions*

disrupting value chains and *improving efficiency*;

and holds a strong potential to improve products, *processes* and services by *increasing the efficiency of* value chains and *their organisation*;

Or. en

Amendment 4
Dario Tamburrano

Draft motion for a resolution
Recital C

Draft motion for a resolution

C. whereas DLT introduces an IT-based paradigm of social value that *promotes* self-sovereignty, *trust and* transparency;

Amendment

C. whereas *with the right level of encryption, automation and abilities to agree on contracts without intermediaries*, DLT introduces an IT-based paradigm of *high* social value that *could lay the foundation for a true democratisation of data, enhancing* self-sovereignty, transparency *and mutual trust*;

Or. en

Amendment 5
Dario Tamburrano

Draft motion for a resolution
Recital D

Draft motion for a resolution

D. whereas DLT is still evolving and it is therefore necessary to *create* a framework *of legal certainty* around the applications that have originated from it;

Amendment

D. whereas DLT is still evolving and it is therefore necessary to *encourage and facilitate its development, creating* a framework *that spurs innovation and promotes high social value while at the same time ensuring safety, consumers and environmental protection* around the applications that have originated from it;

Or. en

Amendment 6
Dario Tamburrano

Draft motion for a resolution
Recital E

Draft motion for a resolution

E. whereas regulating DLT *is not politically optimal as the approach of being* technology-neutral *in regulation is favoured; whereas it is important* to develop innovation-friendly *regulation based on the innovation principle*;

Amendment

E. whereas *any attempt of* regulating DLT *shall be* technology-neutral *and able* to develop *an* innovation-friendly *ecosystem that shall focus on solutions and methods that are environmentally sustainable*;

Or. en

Amendment 7
Dario Tamburrano

Draft motion for a resolution
Paragraph 1

Draft motion for a resolution

1. Stresses that DLT facilitates disintermediation, *improves trust between the transacting parties* and allows peer-to-peer exchange of value that can empower citizens, *disrupt legacy* models, improve services and reduce costs throughout value chains in a wide range of *key-sectors*;

Amendment

1. Stresses that DLT facilitates disintermediation *in a trust-less environment* and allows *the* peer-to-peer exchange of value that can empower citizens, *decentralise business* models, improve *processes and* services and reduce costs throughout value chains in a wide range of *economic sectors*;

Or. en

Amendment 8
Dario Tamburrano

Draft motion for a resolution
Paragraph 1 a (new)

Draft motion for a resolution

1 a. Underlines the profound impact that DLT-based applications could bring to the structure of public governance and

Amendment

the role of institutions and asks the Commission to carry out a study assessing the potential scenarios of a wider uptake of public DLT-based networks;

Or. en

Amendment 9
Dario Tamburrano

Draft motion for a resolution
Paragraph 1 b (new)

Draft motion for a resolution

Amendment

1 b. Highlights the wide range of DLT-based applications that could potentially affect all sectors of the economy;

Or. en

Amendment 10
Dario Tamburrano

Draft motion for a resolution
Paragraph 2

Draft motion for a resolution

Amendment

2. Underscores that DLT can transform and democratize the energy markets and allows *households to produce environment-friendly energy and peer-to-peer exchange it*;

2. Underscores that DLT can transform and democratize the energy markets and allows *citizens in trust-less and open networks to sell, certify, track and measure the energy that is exchanged in a peer-to-peer mode, especially when produced in decentralized systems*;

Or. en

Amendment 11
Dario Tamburrano

Draft motion for a resolution
Paragraph 2 a (new)

Draft motion for a resolution

Amendment

2 a. *Highlights how beneficial DLTs can be in terms of protection, trust and inalterability of data that are ubiquitously collected through distributed networks of environmental sensors (polluting particulate, CO2 emissions, noise, radioactivity, seismicity, etc.);*

Or. en

Amendment 12
Dario Tamburrano

Draft motion for a resolution
Paragraph 3

Draft motion for a resolution

3. Underlines that consensus mechanisms *based on* “proof-of-work” concepts *(like the Bitcoin blockchain) are* energy wasting and environmentally unsustainable; Alternative consensus mechanisms *(e.g. “proof-of-stake” or “proof-of-authority”)* are less energy demanding and *more desirable*;

Amendment

3. Underlines that *most DLTs are based on* consensus mechanisms *called* “proof-of-work” concepts *that are intrinsically* energy wasting and environmentally unsustainable; *calls for a more rapid adoption of* alternative consensus mechanisms *that are under development, which* are less energy demanding and *therefore necessary evolutions for the sustainability of the wider application and scalability of DLTs networks, both public and private*;

Or. en

Amendment 13
Dario Tamburrano

Draft motion for a resolution
Paragraph 5

Draft motion for a resolution

5. Notes that DLT allows citizens to *protect and own their health data*, including their use with insurance

Amendment

5. Notes that DLT allows citizens to *decide which data they want to share especially for research in healthcare*

companies;

purposes, while processing data exchanges more efficiently and better protecting personal and more sensitive information, including their use with insurance companies;

Or. en

Amendment 14
Dario Tamburrano

Draft motion for a resolution
Paragraph 7

Draft motion for a resolution

7. Underlines the significance of DLT in improving supply chains, *the quality of forwarding and tracking as well as the monitoring of the origin and the verification of* quality of products along the supply chains, *protecting* consumers *and preventing* counterfeiting;

Amendment

7. Underlines the significance of DLT in improving supply chains, *seamlessly verifying the* quality of products *through better forwarding, tracking and monitoring the origin of goods, including their ingredients and by-products*, along the supply chains, *thus ensuring better* consumers *protection and more effective prevention of* counterfeiting;

Or. en

Amendment 15
Dario Tamburrano

Draft motion for a resolution
Paragraph 9

Draft motion for a resolution

9. Calls on the Commission to *create* a network that *makes the use of the technology possible amongst* the educational institutions of the Union;

Amendment

9. Calls on the Commission to *investigate the feasibility of creating a EU-wide* network that *allows* the educational institutions of the Union *to adopt this technology for sharing data and information, contributing to a more effective recognition of academic titles and professional qualifications and to better performing and comparing high-stakes testing*;

Amendment 16
Dario Tamburrano

Draft motion for a resolution
Paragraph 10 a (new)

Draft motion for a resolution

Amendment

10 a. notes how DLT could offer new ways to manage intellectual property rights also in case of additive manufacturing and 3D printing models, especially in those open innovation and collaborative ecosystems where tracking users and authors is necessary to ensure safety and functionality in an open hardware or software;

Or. en

Amendment 17
Dario Tamburrano

Draft motion for a resolution
Paragraph 11

Draft motion for a resolution

Amendment

11. Underscores that DLT enables users to identify themselves while they maintaining the control of their personal data; stresses though that data in a public ledger are pseudonymous (not anonymous);

11. Underscores that DLT enables users to identify themselves while they maintaining the control of their personal data; stresses though that ***a wide range of applications, with different degrees and levels of transparency, exists and that*** data in a public ledger are pseudonymous (not anonymous);

Or. en

Amendment 18
Dario Tamburrano

Draft motion for a resolution
Paragraph 15

Draft motion for a resolution

15. Calls on the Commission to explore both the technical standards at ISO and CEN-CENELEC and the legal frameworks ***that will*** permit smart-contracts to be legally enforceable across the Digital Single Market ***and not within the fragmented*** legal frameworks ***used in individual Member States***;

Amendment

15. Calls on the Commission to explore both the ***development of the necessary*** technical standards at ***the relevant international organisations like ITU***, ISO and CEN-CENELEC and ***how*** the legal frameworks ***could be adapted to*** permit smart-contracts to be legally enforceable across the Digital Single Market, ***rather than flourishing in more uncoordinated national*** legal frameworks;

Or. en

Amendment 19
Dario Tamburrano

Draft motion for a resolution
Paragraph 20

Draft motion for a resolution

20. Recalls the importance of DLT infrastructure protection;

Amendment

20. Recalls the importance of DLT infrastructure protection ***and suggests that in order to effectively reap the benefits of this technology, the abuse of dominant position shall not be allowed***;

Or. en

Amendment 20
Dario Tamburrano

Draft motion for a resolution
Paragraph 22

Draft motion for a resolution

22. Underlines the efficiency potential of DLT for the public-sector services and management;

Amendment

22. Underlines the efficiency potential of DLT for the public-sector services and management, ***especially in view of the enforcement of the eGovernment Action Plan with particular reference to the EU-wide adoption of the digital Once-Only Principle (TOOP), thus further reducing***

*administrative burden for citizens,
businesses and public administrations;*

Or. en

Amendment 21
Dario Tamburrano

Draft motion for a resolution
Paragraph 23

Draft motion for a resolution

23. Calls on the Commission to explore the improvement of traditional public services, including land registry, *licencing* and citizen certifications (e.g. birth-, marriage-certificates);

Amendment

23. Calls on the Commission to explore the improvement of traditional public services, including land registry, *licensing* and citizen certifications (e.g. birth-, marriage-certificates), *including through local pilot projects aimed at properly testing DLT applications for a wider uptake;*

Or. en

Amendment 22
Dario Tamburrano

Draft motion for a resolution
Paragraph 26 a (new)

Draft motion for a resolution

26 a. Underlines that EU public-sector blockchains would allow stronger transparency, more streamlined processing of information towards citizens and the development of more secure services for European citizens; stresses how a permissioned blockchain network shared between Member States could be designed to store citizens data in a secure and flexible manner;

Or. en

Amendment 23
Dario Tamburrano

Draft motion for a resolution
Paragraph 27

Draft motion for a resolution

27. Asks the Commission to evaluate the efficiency of *the* DLT-based voting *and its use in the* EU level *from the* voting operations in the European Parliament to the European Elections;

Amendment

27. Asks the Commission to evaluate the efficiency of DLT-based voting *system, aiming at enabling its wider use at* EU level, *also through pilot tests applied to* voting operations in the European Parliament *and other EU institutions, or even* to the European elections;

Or. en

Amendment 24
Dario Tamburrano

Draft motion for a resolution
Paragraph 28

Draft motion for a resolution

28. Welcomes the potential of DLT to *disrupt* existing value chains *and* transform business models and thus promote innovation-driven *growth*;

Amendment

28. Welcomes the potential of DLT to *improve* existing value chains, transform business models and thus promote innovation-driven *prosperity; highlights the impact of streamlining supply chains and increasing interoperability among firms*;

Or. en

Amendment 25
Dario Tamburrano

Draft motion for a resolution
Paragraph 31

Draft motion for a resolution

31. Asks the Commission to *promote DLT applications* with Member States, *create* legal certainty *and* harmonization

Amendment

31. Asks the Commission to *partner* with Member States *to ensure* legal certainty *for investors, users and citizens*,

within the Union *as well as to promote an* idea of a European passport of DLT-based projects;

both active and passive, while encouraging harmonization within the Union *and studying the* idea of *introducing* a European passport of DLT-based projects;

Or. en

Amendment 26
Dario Tamburrano

Draft motion for a resolution
Paragraph 32

Draft motion for a resolution

32. Underscores that Initial Coin Offerings (ICOs) have **a strong** potential in funding innovation and accelerate technology transfer; ICOs are a distinct asset class with strong potential; Calls on the Commission to propose a framework for ICOs;

Amendment

32. Underscores that Initial Coin Offerings (ICOs) have **increased exponentially the** potential in funding **DLT-based projects and can benefit** innovation and accelerate technology transfer; ICOs are a distinct asset class with strong potential; Calls on the Commission to **strongly monitor their development and to issue proper recommendations that ensure minimum guidelines especially in terms of investors' protection, while studying** to propose a framework for ICOs;

Or. en

Amendment 27
Dario Tamburrano

Draft motion for a resolution
Paragraph 36 a (new)

Draft motion for a resolution

36 a. Asks the Commission and the Member States to develop common initiatives to raise awareness and train citizens, businesses and public administrations aimed at easing the comprehension and the uptake of this technology;

