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Committee on Industry, Research and Energy

2013/2092(INI)

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AMENDMENTS

1 - 61

Draft report
Angelika Niebler
(PE514.925v01-00)

EU space industrial policy: Releasing the potential for economic growth in the
space sector
(2013/2092(INI))

AM_Com_NonLegReport

Amendment 1
Rachida Dati

Motion for a resolution
Recital E

Motion for a resolution

E. whereas the European space industry has a consolidated annual turnover of approximately €6.5 billion and employs 34 500 highly skilled people full-time;

Amendment

E. whereas the European space industry has a consolidated turnover of EUR 6.5 billion and employs over 34 500 highly skilled people, ***and whereas in this period of economic difficulty the importance of that industry as a sector with strong growth and innovation potential, and as a creator of jobs with high added value, should be brought to the fore;***

Or. fr

Amendment 2
Rachida Dati

Motion for a resolution
Recital F

Motion for a resolution

F. whereas at present there is still not sufficient coordination of measures in the field of space travel between the EU, the Member States and the ESA and whereas this has resulted in duplication of structures and prevented synergies from being sufficiently exploited;

Amendment

F. whereas at present there is still not sufficient coordination of measures in the field of space travel between the EU, the Member States and the ESA and whereas this has resulted in duplication of structures and prevented synergies from being sufficiently exploited; ***stresses that the introduction of a clear governance framework in the space sector would make for huge efficiency savings;***

Or. fr

Amendment 3
Vittorio Prodi

Motion for a resolution
Recital F

Motion for a resolution

F. whereas at present there is still not sufficient coordination of measures in the field of space *travel* between the EU, the Member States and the ESA and whereas this has resulted in duplication of structures and prevented synergies from being sufficiently exploited;

Amendment

F. whereas at present there is still not sufficient coordination of measures in the field of space *policy* between the EU, the Member States and the ESA and whereas this has resulted in duplication of structures and prevented synergies from being sufficiently exploited;

Or. en

Amendment 4
Vittorio Prodi

Motion for a resolution
Recital G

Motion for a resolution

G. whereas the ESA has no formal relationship with the European Parliament, so that there is no direct feedback to citizens such as otherwise exists in all fields of Union policy;

Amendment

G. whereas the ESA, *as an intergovernmental organisation*, has no formal relationship with the European Parliament, so that there is no direct feedback to citizens such as otherwise exists in all fields of Union policy;

Or. en

Amendment 5
Rachida Dati

Motion for a resolution
Recital H

Motion for a resolution

H. whereas the space industry is investment-intensive and has unusually long development cycles, so that

Amendment

H. whereas the space industry is investment-intensive and has unusually long development cycles, so that

consistency of planning plays a decisive role for the space industry;

consistency of planning plays a decisive role for the space industry, ***and since the visibility this provides will benefit greatly from there being a stable regulatory framework and a clear governance framework;***

Or. fr

Amendment 6
Marian-Jean Marinescu

Motion for a resolution
Recital I a (new)

Motion for a resolution

Amendment

Ia. whereas the EU is currently dependent on non-European military GNSS and Galileo was conceived and developed and will remain under civilian control;

Or. en

Amendment 7
Herbert Reul

Motion for a resolution
Recital K

Motion for a resolution

Amendment

K. whereas satellite-based services play an important part in providing information for the growth sectors of the digital society;

K. whereas satellite-based services play an important part in providing information for the growth sectors of the digital society ***and help to attain the aims of the EU's Digital Agenda;***

Or. de

Amendment 8
Marian-Jean Marinescu

**Motion for a resolution
Paragraph 1 a (new)**

Motion for a resolution

Amendment

1a. Stresses that all the actors involved in the governance of future EU Space Policies, such as the Commission, the European GNSS Agency, ESA, the national agencies and the specialized agencies such as EUMETSAT, must be interlinked and function long term;

Or. en

**Amendment 9
Marian-Jean Marinescu**

**Motion for a resolution
Paragraph 1 b (new)**

Motion for a resolution

Amendment

1b. Considers that National Agencies could come up with concrete proposals in this direction so that the Commission could harmonize the input coming from the Member States and define an EU vision;

Or. en

**Amendment 10
Marian-Jean Marinescu**

**Motion for a resolution
Paragraph 1 c (new)**

Motion for a resolution

Amendment

1c. Stresses that the Commission must, as soon as possible, give us a clear roadmap for GMES/Copernicus and for the

development and the deployment of the various satellites Sentinels and the legal and operational framework proposed for this complex system;

Or. en

Amendment 11
Kent Johansson

Motion for a resolution
Paragraph 2

Motion for a resolution

2. Endorses the Commission's intention of taking steps towards the establishment of a coherent EU space regulatory framework; advocates establishing a genuine EU internal market for space products and space-based services;

Amendment

2. Endorses the Commission's intention of taking steps towards the establishment of a coherent EU space regulatory framework; advocates establishing a genuine EU internal market for space products and space-based services; *advocates open competition; considers it important that policy should be formulated and developed without its implementation adversely affecting or distorting commercial market conditions; observes that competitive neutrality and transparency are two important cornerstones of the development of European space policy;*

Or. sv

Amendment 12
Vittorio Prodi

Motion for a resolution
Paragraph 3

Motion for a resolution

3. Observes that the Commission *does* not yet *have a horizontal approach with a view to rooting* space policy and its

Amendment

3. Observes that the Commission *has* not yet *mainstreamed* space policy and its objectives *into* the various fields of policy

objectives **and uses in** the various fields of policy of the Union; calls on the Commission in future **also to take account of** space policy in such fields as, for example, telecommunications, transport, agriculture or culture;

of the Union; calls on the Commission in future **to do so by taking into** account space policy in such fields as, for example, **environment**, telecommunications, transport, agriculture or culture;

Or. en

Amendment 13
Norbert Glante

Motion for a resolution
Paragraph 3

Motion for a resolution

3. Observes that the Commission does not yet have a horizontal approach with a view to rooting space policy and its objectives and uses in the various fields of policy of the Union; calls on the Commission in future also to take account of space policy in such fields as, for example, telecommunications, transport, agriculture or culture;

Amendment

3. Observes that the Commission does not yet have a horizontal approach with a view to rooting space policy and its objectives and uses in the various fields of policy of the Union; calls on the Commission in future also to take account of space policy in such fields as, for example, telecommunications, transport, agriculture, **safety** or culture;

Or. de

Amendment 14
Claude Turmes
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 3

Motion for a resolution

3. Observes that the Commission does not yet have a horizontal approach with a view to rooting space policy and its objectives and uses in the various fields of policy of the Union; calls on the Commission in future also to take account of space policy

Amendment

3. Observes that the Commission does not yet have a horizontal approach with a view to rooting space policy and its objectives and uses in the various fields of policy of the Union; calls on the Commission in future also to take account of space policy

in such fields as, for example, telecommunications, transport, agriculture or culture;

in such fields as, for example, telecommunications, transport, **environment**, agriculture or culture;

Or. en

Amendment 15

Claude Turmes

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 4

Motion for a resolution

4. Calls on the Commission to assign priority to the following aspects: institutional issues, Galileo and Copernicus, the space industry as a generator of growth and employment, access to space, the role of R&D, satellite communication and space **junk**;

Amendment

4. Calls on the Commission to assign priority to the following aspects: institutional issues, Galileo and Copernicus, the space industry as a generator of growth and employment, **impact assessment of space-related activities, civilian** access to space, the role of R&D, satellite communication and space **debris**;

Or. en

Amendment 16

Vittorio Prodi

Motion for a resolution

Paragraph 4

Motion for a resolution

4. Calls on the Commission to assign priority to the following aspects: institutional issues, Galileo and Copernicus, the space industry as a generator of growth and employment, access to space, the role of R&D, satellite communication and space **junk**;

Amendment

4. Calls on the Commission to assign priority to the following aspects: institutional issues, Galileo and Copernicus, the space industry as a generator of growth and employment, **independent** access to space, the role of R&D, satellite communication and space **surveillance and tracking**,

Amendment 17
Béla Kovács

Motion for a resolution
Paragraph 4 a (new)

Motion for a resolution

Amendment

4a. Appeals to the Commission and the ESA to uphold fundamental rights of citizens of the EU and the right to respect for private life, family life, home and correspondence;

(This amendment was made in order to insure personal privacy of individuals against tracking individuals without their knowledge by spy satellites.)

Or. en

(See Article 67 of the Treaty on the Functioning of the European Union and Article 8 of the European Convention on Human Rights)

Amendment 18
Kent Johansson

Motion for a resolution
Paragraph 5

Motion for a resolution

Amendment

5. Recognises the successes which the ESA has achieved for Europe in the field of space travel in recent decades; observes, however, that, in the long term, greater operational efficiency and political coordination and responsibility can only be achieved by bringing the ESA **closer to** the EU; calls on the Commission to investigate **very carefully** whether the ESA could for example in future be linked to the Union's governance structures as an inter-State

5. Recognises the successes which the ESA has achieved for Europe in the field of space travel in recent decades; observes, however, that, in the long term, greater operational efficiency and political coordination and responsibility can only be achieved by bringing the ESA **and** the EU **closer together in their cooperation in a way which enables duplication of effort and overlapping to be avoided**; calls on the Commission to investigate whether the

organisation, while it is not felt to be appropriate to convert the ESA into a European agency;

ESA could for example in future be linked to the Union's governance structures as an inter-State organisation, while it is not felt to be appropriate to convert the ESA into a European agency; ***considers that the ESA and the EU should, however, work together to put forward proposals as to how European space operations should be organised in future;***

Or. sv

Amendment 19
Lena Kolarska-Bobińska

Motion for a resolution
Paragraph 5

Motion for a resolution

5. Recognises the successes which the ESA has achieved for Europe in the field of space travel in recent decades; observes, however, that, in the long term, greater operational efficiency and political coordination and responsibility can only be achieved by bringing the ESA closer to the EU; calls on the Commission to investigate very carefully whether the ESA could for example in future be linked to the Union's governance structures as an inter-State organisation, while it is not felt to be appropriate to convert the ESA into a European agency;

Amendment

5. Recognises the successes which the ESA has achieved for Europe in the field of space travel in recent decades; ***welcomes Poland's accession to the ESA in September 2012, becoming its 20th member, and encourages the remaining non-ESA Member States to consider accession and increased cooperation;*** observes, however, that, in the long term, greater operational efficiency and political coordination and responsibility can only be achieved by bringing the ESA closer to the EU; calls on the Commission to investigate very carefully whether the ESA could for example in future be linked to the Union's governance structures as an inter-State organisation, while it is not felt to be appropriate to convert the ESA into a European agency;

Or. en

Amendment 20
Claude Turmes

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 5

Motion for a resolution

5. Recognises the successes which the ESA has achieved for Europe in the field of space travel in recent decades; observes, however, that, in the long term, greater operational efficiency and political coordination and responsibility **can only be achieved by bringing the ESA closer to the EU**; calls on the Commission to investigate very carefully whether the ESA could for example in future be linked to the Union's governance structures as an inter-State organisation, while it is not felt to be appropriate to convert the ESA into a European agency;

Amendment

5. Recognises the successes which the ESA has achieved for Europe in the field of space travel in recent decades; observes, however, that, in the long term, **research needs to be done into ways of achieving** greater operational efficiency and political coordination and responsibility; calls on the Commission to investigate very carefully whether the ESA could for example in future be linked to the Union's governance structures as an inter-State organisation, while it is not felt to be appropriate to convert the ESA into a European agency;

Or. en

Amendment 21

Vittorio Prodi

Motion for a resolution

Paragraph 5

Motion for a resolution

5. Recognises the successes which the ESA has achieved for Europe in **the field of space travel** in recent decades; observes, however, that, in the long term, greater operational efficiency and political coordination and responsibility can only be achieved by bringing the ESA closer to the EU; calls on the Commission to investigate very carefully whether the ESA could for example in future be linked to the Union's governance structures as an inter-State organisation, while it is not felt to be appropriate to convert the ESA into a European agency;

Amendment

5. Recognises the successes which the ESA has achieved for Europe in space **missions** in recent decades; observes, however, that, in the long term, greater operational efficiency and political coordination and responsibility can only be achieved by bringing the ESA closer to the EU; calls on the Commission to investigate very carefully whether the ESA could for example in future be linked to the Union's governance structures as an inter-State organisation, while it is not felt to be appropriate to convert the ESA into a European agency;

Amendment 22

Evžen Tošenovský

Motion for a resolution

Paragraph 6

Motion for a resolution

6. Considers that, in the meantime, the European Union, in very close cooperation with the ESA, should coordinate the space policies and programmes of the Member States more than hitherto in order to adopt a genuine European approach; observes that it is only by means of a European approach that the space industry can be given the opportunity to become, and also remain, competitive;

Amendment

6. Considers that, in the meantime, the European Union, in very close cooperation with the ESA, should coordinate the space policies and programmes of the Member States more than hitherto in order to adopt a genuine European approach, ***while it is necessary to ensure that the interests of ESA and its Member States are respected***; observes that it is only by means of a European approach that the space industry can be given the opportunity to become, and also remain, competitive;

Or. en

Amendment 23

Evžen Tošenovský

Motion for a resolution

Paragraph 6 a (new)

Motion for a resolution

Amendment

6a. Emphasises that the geo-return principle should be respected as the key element of contributions by Member States to ESA;

Or. en

Amendment 24

Vittorio Prodi

Motion for a resolution
Paragraph 7

Motion for a resolution

7. Calls on the Commission, Member States and the ESA to establish a kind of coordination group whose members should coordinate strategies and measures in the field of space at regular meetings in order to avoid duplication of structures;

Amendment

7. Calls on the Commission, Member States and the ESA to establish a kind of coordination group whose members should coordinate strategies and measures in the field of space at regular meetings in order to avoid duplication of structures ***and to develop a common approach to international issues and fora;***

Or. en

Amendment 25
Claude Turmes
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 8

Motion for a resolution

8. Stresses that the completion of Galileo and the continuation of Copernicus should be assigned ***the highest*** priority as the flagships of European space policy, so that the first Galileo services can also in practice be opened to the public in 2014;

Amendment

8. Stresses that the completion of Galileo and the continuation of Copernicus should be assigned priority as the flagships of European space policy, so that the first Galileo services can also in practice be opened to the public in 2014;

Or. en

Amendment 26
Evžen Tošenovský

Motion for a resolution
Paragraph 8 a (new)

Motion for a resolution

Amendment

8a. Underlines that EGNOS is the first

*operational European GNSS programme;
calls on the Commission and Member
States to promote and implement the use
of EGNOS in various areas, such as
transport;*

Or. en

Amendment 27
Norbert Glante

Motion for a resolution
Paragraph 9

Motion for a resolution

9. Deplores the fact that, in the past, delays have occurred in establishing the European satellite navigation programme Galileo; welcomes the fact that four satellites have now been launched into earth orbit; stresses that the advantages and utility of Galileo in particular and of a European space industry in general should be communicated to society more effectively;

Amendment

9. Deplores the fact that, in the past, delays have occurred in establishing the European satellite navigation programme Galileo; welcomes the fact that four satellites have now been launched into earth orbit; stresses that the advantages and utility of Galileo in particular and of a European space industry in general should be communicated to society more effectively ***and calls on the Commission, in conjunction with future launches of Galileo satellites, to organise high-profile public events in EU capitals to promote Galileo and its potential applications;***

Or. de

Amendment 28
Marian-Jean Marinescu

Motion for a resolution
Paragraph 9 a (new)

Motion for a resolution

9a. Stresses that the EU needs to teach the people, attract future engineers, spread information about EU satellite navigation

and propose a set of incentives for all users in order to use Galileo and Egnos enabled technologies;

Or. en

Amendment 29
Silvia-Adriana Țicău

Motion for a resolution
Paragraph 10 a (new)

Motion for a resolution

Amendment

10a. Regrets that not all of the European Union is currently covered by the EGNOS System and calls for that system to be extended to southern, eastern and south-eastern Europe as a matter of priority, hence enabling its use throughout Europe;

Or. ro

Amendment 30
Claude Turmes
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 11

Motion for a resolution

Amendment

11. Observes that *not only SMEs, but they* in particular, require *a kind of pump-priming funding from the public sector to give them sufficient funds for long-term* investment in R&D; is convinced that public funding and the existence of public customers for products and services of the space industry can drive innovation and thus generate economic growth and create jobs;

11. Observes that in particular *SMEs*, require *tailored support for* investment in R&D; is convinced that public funding and the existence of public customers for products and services of the space industry can drive innovation and thus generate economic growth and create jobs;

Amendment 31
Marian-Jean Marinescu

Motion for a resolution
Paragraph 11 a (new)

Motion for a resolution

Amendment

11a. Reiterates that the EU must not miss the opportunity to develop satellite navigation downstream market and underlines the importance of an action plan for the European GNSS Agency in order to expand the GNSS market, which will be crucial for the future of the EU economy;

Or. en

Amendment 32
Marian-Jean Marinescu

Motion for a resolution
Paragraph 11 b (new)

Motion for a resolution

Amendment

11b. Recalls that new applications of satellite navigation can increase the safety, efficiency and reliability of activities from the aviation, maritime, road and agriculture sectors, road safety, fee collection, traffic and parking management, fleet management, emergency call, goods tracking and tracing, online booking, safety of shipping, digital tachographs, animal transport and sustainable land;

Or. en

Amendment 33
Rachida Dati

Motion for a resolution
Paragraph 13

Motion for a resolution

13. Observes that undertakings from outside the space industry can derive benefit from innumerable products derived from space research; calls on all parties concerned, therefore, to develop fruitful exchanges between actors in the space and non-space industries and to work in partnership to develop technologies which can lead to pioneering innovations for the benefit of society;

Amendment

13. Observes that undertakings from outside the space industry can derive benefit from innumerable products derived from space research; calls on all parties concerned, therefore, to develop fruitful exchanges between actors in the space and non-space industries and to work in partnership to develop technologies which can lead to pioneering innovations for the benefit of society; ***stresses the value of better publicising the tangible benefits that the space industry can bring to the daily lives of Europeans;***

Or. fr

Amendment 34
Claude Turmes
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 13

Motion for a resolution

13. Observes that undertakings from outside the space industry can derive benefit from ***innumerable*** products derived from space research; calls on all parties concerned, therefore, to develop ***fruitful*** exchanges between actors in the space and non-space industries and to work in partnership to develop technologies which can lead to pioneering innovations for the benefit of society;

Amendment

13. Observes that undertakings from outside the space industry can derive benefit from products derived from space research; calls on all parties concerned, therefore, to develop exchanges between actors in the space and non-space industries and to work in partnership to develop technologies which can lead to pioneering innovations for the benefit of society;

Or. en

Amendment 35

Claude Turmes

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 14

Motion for a resolution

14. Stresses that the space-based services and robotics industries, in particular, **create many** market opportunities **primarily** for SMEs;

Amendment

14. Stresses that the space-based services and robotics industries, in particular, **may create** market opportunities for SMEs;

Or. en

Amendment 36

Claude Turmes

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 16

Motion for a resolution

16. Stresses that **it is only by means of** the adequate availability of highly skilled employees **that it can be ensured that the** European space industry **can remain competitive**; calls therefore on all parties concerned to step up cooperation between universities and industry; observes furthermore that the acquisition of talents from third countries is indispensable;

Amendment

16. Stresses that **having** the adequate availability of highly skilled employees **is one of the basis for a competitive** European space industry; calls therefore on all parties concerned to step up cooperation between universities and industry; observes furthermore that the acquisition of talents from third countries is indispensable;

Or. en

Amendment 37

Béla Kovács

Motion for a resolution

Paragraph 16

Motion for a resolution

16. Stresses that it is only by means of the adequate availability of highly skilled employees that it can be ensured that the European space industry can remain competitive; calls therefore on all parties concerned to step up cooperation between universities and industry; observes furthermore that the acquisition of talents from third countries is indispensable;

Amendment

16. Stresses that it is only by means of the adequate availability of highly skilled employees that it can be ensured that the European space industry can remain competitive; calls therefore on all parties concerned to step up cooperation between universities and industry (*in such forms as study visits to ESA, research competitions for European and non-European researchers*); observes furthermore that the acquisition of talents from third countries is indispensable;

Or. en

Amendment 38
Vittorio Prodi

Motion for a resolution
Paragraph 16

Motion for a resolution

16. Stresses that it is only by means of the adequate availability of highly skilled employees that it can be ensured that the European space industry can remain competitive; calls therefore on all parties concerned to step up cooperation between universities and industry; observes furthermore that *the acquisition of* talents from third countries is indispensable;

Amendment

16. Stresses that it is only by means of the adequate availability of highly skilled employees that it can be ensured that the European space industry can remain competitive; calls therefore on all parties concerned to step up cooperation between universities and industry; observes furthermore that *attracting European talents back* from third countries is indispensable;

Or. en

Amendment 39
Rachida Dati

Motion for a resolution
Paragraph 16

Motion for a resolution

16. Stresses that it is only by means of the adequate availability of highly skilled employees that it can be ensured that the European space industry can remain competitive; calls therefore on all parties concerned to step up cooperation between universities and industry; observes furthermore that the acquisition of talents from third countries is indispensable;

Amendment

16. Stresses that it is only by means of the adequate availability of highly skilled employees that it can be ensured that the European space industry can remain competitive; calls therefore on all parties concerned to step up cooperation between universities and industry ***and to encourage students, and particularly women students, to pursue careers in that industry***; observes furthermore that the acquisition of talents from third countries is indispensable;

Or. fr

Amendment 40
Norbert Glante

Motion for a resolution
Paragraph 16 a (new)

Motion for a resolution

16a. Calls on the Member States to gear national study and training programmes to this sector of the economy and to promote them, as well as encouraging women, in particular, to take an interest in those technical occupations, and training women for them;

Or. de

Amendment 41
Kent Johansson

Motion for a resolution
Paragraph 17

Motion for a resolution

17. Stresses the importance of commercial sales for the European space industry; observes at the same time that access to institutional markets in third countries remains partially closed to European industry; stresses the importance of equal initial conditions for European industry at international level; calls on the Commission, therefore, to **ensure** equal opportunities and fair competitive conditions in the context of trade agreements (e.g. TTIP);

Amendment

17. Stresses the importance of commercial sales for the European space industry; observes at the same time that access to institutional markets in third countries remains partially closed to European industry; stresses the importance of equal initial conditions for European industry at international level; calls on the Commission, therefore, to **promote** equal opportunities and fair competitive conditions in the context of trade agreements (e.g. TTIP), **including with regard to the subsystem level and components; stresses, however, that it is important for Europe to remain open to third countries in future too;**

Or. sv

Amendment 42

Claude Turmes

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 17

Motion for a resolution

17. Stresses the importance of **commercial sales for** the European space industry; observes at the same time that access to institutional markets in third countries remains partially closed to European industry; stresses the importance of equal initial conditions for European industry at international level; calls on the Commission, therefore, to ensure equal opportunities and fair competitive conditions in the context of trade agreements (e.g. TTIP);

Amendment

17. Stresses the importance of **access to space for all Member States, which may be achieved with the support of** the European space industry; observes at the same time that access to institutional markets in third countries remains partially closed to European industry; stresses the importance of equal initial conditions for European industry at international level; calls on the Commission, therefore, to ensure equal opportunities and fair competitive conditions in the context of trade agreements (e.g. TTIP);

Or. en

Amendment 43
Rachida Dati

Motion for a resolution
Paragraph 17

Motion for a resolution

17. Stresses the importance of commercial sales for the European space industry; observes at the same time that access to institutional markets in third countries remains partially closed to European industry; stresses the importance of equal initial conditions for European industry at international level; calls on the Commission, therefore, to ensure equal opportunities and fair competitive conditions in the context of trade agreements (e.g. TTIP);

Amendment

17. Stresses the importance of commercial sales for the European space industry; observes at the same time that access to institutional markets in third countries remains partially closed to European industry; stresses the importance of equal initial conditions for European industry at international level; calls on the Commission, therefore, to ensure **reciprocity**, equal opportunities and fair competitive conditions in the context of trade agreements (e.g. TTIP);

Or. fr

Amendment 44
Claude Turmes
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 19

Motion for a resolution

19. Considers that the European space industry **should make use of** existing European space infrastructure, part of which was paid for using European public funds;

Amendment

19. Considers that the European space industry **may benefit from** existing European space infrastructure, part of which was paid for using European public funds;

Or. en

Amendment 45
Norbert Glante

Motion for a resolution

Paragraph 19 a (new) (after subheading 'The role of research and development')

Motion for a resolution

Amendment

19a. Welcomes the fact that, in the new Framework Programme of Research, Horizon 2020, too, €1.5 bn is to be invested in space research and innovation; calls on the Commission, furthermore, in the context of Horizon 2020, to make part of the budget available for R&D relating to applications of satellite communication;

Or. de

Amendment 46

Kent Johansson

Motion for a resolution

Paragraph 20

Motion for a resolution

Amendment

20. Considers that, particularly in the field of research, greater coordination between the EU, the ESA and Member States is needed; calls on all three parties to develop a joint 'research roadmap' for the period ending in 2020, to define priorities and objectives for space policy which should be attained jointly, in order to provide consistency of planning for the actors involved, particularly in industry;

20. Considers that, particularly in the field of research, greater coordination between the EU, the ESA and Member States is needed; calls on all three parties to develop a joint 'research roadmap' for the period ending in 2020, to define priorities and objectives for space policy which should be attained jointly, in order to provide consistency of planning for the actors involved, particularly in industry; ***stresses the importance of research cooperation with third countries;***

Or. sv

Amendment 47

Silvia-Adriana Țicău

Motion for a resolution

Paragraph 20 a (new)

PE516.841v01-00

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20a. Stresses that the development of GNSS applications and services is essential in order to ensure that the infrastructure investment which Galileo represents is fully exploited and that the Galileo system is developed to its full capacity; stresses the need to ensure that the appropriate funding is provided for research and development in respect of GNSS and for its implementation; regrets that the reduction in the funding allocated to research and innovation for applications based on EGNOS and Galileo is considerably delaying technological progress and the growth of industrial capacity, as well as environmentally-effective implementation, in the European Union, and therefore urges the Commission to introduce arrangements enabling small and medium-sized enterprises to access funding more easily;

Or. ro

**Amendment 48
Kent Johansson**

**Motion for a resolution
Paragraph 21**

Motion for a resolution

Amendment

21. Observes that the development of innovative applications in Europe is hampered by various obstacles; reminds the Commission, therefore, that there is an untapped market for the commercial exploitation of space-based data generated by earth observation and satellite programmes; calls on the Commission to conduct a study to identify these obstacles (such as uncertainty regarding the availability of services, reservations with

21. Observes that the development of innovative applications in Europe is hampered by various obstacles; reminds the Commission, therefore, that there is an untapped market for the commercial exploitation of space-based data generated by earth observation and satellite programmes; calls on the Commission to conduct a study to identify these obstacles (such as uncertainty regarding the availability of services, reservations with

regard to security and data protection, and inadequate awareness of potential) and to put forward possible proposals concerning ways of opening up these markets;

regard to security and data protection, and inadequate awareness of potential) and to put forward possible proposals concerning ways of opening up these markets; ***calls for full and open access to space-based data;***

Or. en

Amendment 49
Béla Kovács

Motion for a resolution
Paragraph 21

Motion for a resolution

21. Observes that the development of innovative applications in Europe is hampered by various obstacles; reminds the Commission, therefore, that there is an untapped market for the commercial exploitation of space-based data generated by earth observation and satellite programmes; calls on the Commission to conduct a study to identify these obstacles (such as uncertainty regarding the availability of services, reservations with regard to security and data protection, and inadequate awareness of potential) and to put forward possible proposals concerning ways of opening up these markets;

Amendment

21. Observes that the development of innovative applications in Europe is hampered by various obstacles; reminds the Commission, therefore, that there is an untapped market for the commercial exploitation of space-based data generated by earth observation and satellite programmes; calls on the Commission to conduct a study to identify these obstacles (such as ***liability for damage caused by space objects***, uncertainty regarding the availability of services, reservations with regard to security and data protection, and inadequate awareness of potential) and to put forward possible proposals concerning ways of opening up these markets;

Or. en

Amendment 50
Claude Turmes
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 21

Motion for a resolution

21. Observes that the development of innovative applications in Europe is hampered by various obstacles; reminds the Commission, therefore, that there is an untapped market for the commercial exploitation of space-based data generated by earth observation and satellite programmes; calls on the Commission to conduct a study to identify these obstacles (such as uncertainty regarding the availability of services, reservations with regard to security and data protection, and inadequate awareness of potential) and to put forward possible proposals concerning ways of opening up these markets;

Amendment

21. Observes that the development of innovative applications in Europe is hampered by various obstacles; reminds the Commission, therefore, that there is an untapped market for the commercial exploitation of space-based data generated by earth observation and satellite programmes; calls on the Commission to conduct a study to identify these obstacles (such as uncertainty regarding the availability of services, reservations with regard to security and data protection, and inadequate awareness of potential, ***lack of interoperability***) and to put forward possible proposals concerning ways of opening up these markets;

Or. en

Amendment 51
Herbert Reul

Motion for a resolution
Paragraph 22

Motion for a resolution

22. Stresses that satellite communication plays an important role within the European space industry, as orders from this sector provide continuous uses for spacecraft and launchers and thus contribute to the objective of independent access to space for the EU; draws attention in this context to the role of independent payload capacity which becomes available when launching commercial satellites (for ‘hosted payloads’) which can be used to try out new products and technologies in space;

Amendment

22. Stresses that satellite communication plays an important role within the European space industry, as orders from this sector provide continuous uses for spacecraft and launchers and thus contribute to the objective of independent access to space for the EU; draws attention in this context to the role of independent payload capacity which becomes available when launching commercial satellites (for ‘hosted payloads’) which can be used to try out new products and technologies in space ***and thus helps to reduce both the costs and the time required to be able to offer new services;***

Amendment 52
Herbert Reul

Motion for a resolution
Paragraph 24

Motion for a resolution

24. Stresses that satellite networks help to meet the EU Digital Agenda targets with a view to achieving total coverage of the EU with broadband internet, particularly in remote areas;

Amendment

24. Stresses that satellite networks help to meet the EU Digital Agenda targets with a view to achieving total coverage of the EU with broadband internet, particularly in remote areas; ***calls on the Commission, therefore, to ensure that, with reference to technological neutrality, the satellite internet is appropriately taken into account in the technology mix to be used to expand broadband, for example in the EU's cohesion policy;***

Amendment 53
Herbert Reul

Motion for a resolution
Paragraph 26

Motion for a resolution

26. Calls on the Commission therefore to analyse the current availability of, and future need for, radio frequencies for satellite communication and ensure, at the next ITU World Radio Communications Conference, that the EU's interests in the field of global and regional spectrum allocation are defended appropriately;

Amendment

26. Calls on the Commission therefore to analyse the current availability of, and future need for, radio frequencies for satellite communication and ensure, at the next ITU World Radio Communications Conference, that the EU's interests ***and those of the satellite communication industry*** in the field of global and regional spectrum allocation are defended appropriately;

Amendment 54
Norbert Glante

Motion for a resolution
Paragraph 28

Motion for a resolution

28. Stresses that Europe can only maintain its technological advance in satellite communication if research efforts in this field are continued at European level; **welcomes the fact that, in the new Framework Programme of Research, Horizon 2020, €1.7 bn is to be invested in space research and innovation; calls on the Commission, furthermore, in the context of Horizon 2020, to make part of the budget available for R&D relating to applications of satellite communication;**

Amendment

28. Stresses that Europe can only maintain its technological advance in satellite communication if research efforts in this field are continued at European level;

Or. de

Amendment 55
Claude Turmes
on behalf of the Verts/ALE Group

Motion for a resolution
Subheading 8

Motion for a resolution

Space **junk**

Amendment

Space **debris**

Or. en

Amendment 56
Vittorio Prodi

Motion for a resolution
Subheading 8

Motion for a resolution

Space **junk**

Amendment

Space **debris**

Or. en

Amendment 57

Claude Turmes

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 29

Motion for a resolution

29. Stresses that space-based infrastructure constitutes the backbone of many services used by industry and society in everyday life; observes that loss of access to this infrastructure, for example due to collisions between satellites and space **junk**, could impair the safety of economic actors and members of the public;

Amendment

29. Stresses that space-based infrastructure constitutes the backbone of many services used by industry and society in everyday life; observes that loss of access to this infrastructure, for example due to collisions between satellites and **other** space **objects or debris**, could impair the safety of economic actors and members of the public;

Or. en

Amendment 58

Vittorio Prodi

Motion for a resolution

Paragraph 29

Motion for a resolution

29. Stresses that space-based infrastructure constitutes the backbone of many services used by industry and society in everyday life; observes that loss of access to this infrastructure, for example due to collisions between satellites and space **junk**, could impair the safety of economic actors and members of the public;

Amendment

29. Stresses that space-based infrastructure constitutes the backbone of many services used by industry and society in everyday life; observes that loss of access to this infrastructure, for example due to collisions between satellites and space **debris**, could impair the safety of economic actors and members of the public;

Amendment 59
Vittorio Prodi

Motion for a resolution
Paragraph 30

Motion for a resolution

30. Observes that space **junk** is a growing problem; calls on the Commission and Member States to work towards global governance for space; calls on the Commission and Member States, at the same time, to encourage third countries to sign the Code of Conduct for Outer Space Activities which has been drawn up by the European Union;

Amendment

30. Observes that space **debris** is a growing problem; calls on the Commission and Member States to work towards global governance for space; calls on the Commission and Member States, at the same time, to encourage third countries to sign the Code of Conduct for Outer Space Activities which has been drawn up by the European Union **through all diplomatic channels**;

Amendment 60
Claude Turmes
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 30

Motion for a resolution

30. Observes that space **junk** is a growing problem; calls on the Commission and Member States to work towards global governance for space; calls on the Commission and Member States, at the same time, to encourage third countries to sign the Code of Conduct for Outer Space Activities which has been drawn up by the European Union;

Amendment

30. Observes that space **debris** is a growing problem; calls on the Commission and Member States to work towards global governance for space; calls on the Commission and Member States, at the same time, to encourage third countries to sign the Code of Conduct for Outer Space Activities which has been drawn up by the European Union;

Amendment 61
Claude Turmes
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 31

Motion for a resolution

31. Calls on the Commission to **establish** at European level as quickly as possible the programme proposed at the beginning of this year to support observation and tracking of objects in space, in order to ensure growing independence from institutions in the USA which issue warnings of collisions;

Amendment

31. Calls on the Commission to **support the establishment** at European level as quickly as possible **of** the programme proposed at the beginning of this year to support observation and tracking of objects in space, in order to ensure growing independence from institutions in the USA which issue warnings of collisions;

Or. en