

**Archived:** den 28 februari 2022 11:44:00  
**Sent:** den 28 februari 2022 11:43:55  
**Subject:** SV: Sweden - bitcoin mining  
**Sensitivity:** Normal

---

**Från:** REPA Lukas <[Lukas.REPA@ec.europa.eu](mailto:Lukas.REPA@ec.europa.eu)>  
**Skickat:** den 14 januari 2022 09:58  
**Till:** Charlotte Fried <[charlotte.fried@fi.se](mailto:charlotte.fried@fi.se)>  
**Ämne:** RE: Sweden - bitcoin mining

Thank you, Charlotte. Let's speak again towards the end of the month !

Best, Lukas

---

**From:** Charlotte Fried <[charlotte.fried@fi.se](mailto:charlotte.fried@fi.se)>  
**Sent:** Friday, January 14, 2022 9:41 AM  
**To:** REPA Lukas (CNECT) <[Lukas.REPA@ec.europa.eu](mailto:Lukas.REPA@ec.europa.eu)>; Flemming Heden <[Flemming.Heden@Naturvardsverket.se](mailto:Flemming.Heden@Naturvardsverket.se)>; Klas Malmén <[klas.malmen@fi.se](mailto:klas.malmen@fi.se)>  
**Cc:** KOEPMAN Helen (CNECT) <[Helen.KOPMAN@ec.europa.eu](mailto:Helen.KOPMAN@ec.europa.eu)>; OHTSUBO Hisanobu (CNECT) <[Hisanobu.OTSUBO@ec.europa.eu](mailto:Hisanobu.OTSUBO@ec.europa.eu)>  
**Subject:** SV: Sweden - bitcoin mining

Dear Lukas,

Many thanks for the update, that's very helpful to know.

We are not aware of specific actions taking against mining by member states (we were reflecting more broadly on recent developments in e.g. Kazakhstan and Kosovo).

We do not have any concerns about you releasing our correspondence to date.

Best wishes,

Charlotte

---

**Från:** REPA Lukas <[Lukas.REPA@ec.europa.eu](mailto:Lukas.REPA@ec.europa.eu)>  
**Skickat:** den 13 januari 2022 15:06  
**Till:** Charlotte Fried <[charlotte.fried@fi.se](mailto:charlotte.fried@fi.se)>; Per Lagerstedt <[Per.Lagerstedt@Naturvardsverket.se](mailto:Per.Lagerstedt@Naturvardsverket.se)>; Klas Malmén <[klas.malmen@fi.se](mailto:klas.malmen@fi.se)>  
**Kopia:** KOEPMAN Helen <[Helen.KOPMAN@ec.europa.eu](mailto:Helen.KOPMAN@ec.europa.eu)>; OHTSUBO Hisanobu <[Hisanobu.OTSUBO@ec.europa.eu](mailto:Hisanobu.OTSUBO@ec.europa.eu)>  
**Ämne:** RE: Sweden - bitcoin mining

Dear Charlotte

Happy New year to you, too !

Thank you for your email. We are still in a process of internal reflection, involving several colleagues in other services of the Commission. We hope to have that assessment ready over the next two weeks.

Could you be more specific about actions taken at Member State level against Bitcoin mining so far?

Incidentally, we received an access to documents request from a journalist on all documents received from or shared with external parties on the Bitcoin mining topic. Our correspondence with you from December falls in that category. Can you quickly let us know whether there is anything we should redact in the attached emails prior to giving access? We remove names of individuals and emails as a matter of general policy.

Best regards

Lukas

---

**From:** Charlotte Fried <[charlotte.fried@fi.se](mailto:charlotte.fried@fi.se)>  
**Sent:** Thursday, January 13, 2022 12:41 PM  
**To:** REPA Lukas (CNECT) <[Lukas.REPA@ec.europa.eu](mailto:Lukas.REPA@ec.europa.eu)>; Per Lagerstedt <[Per.Lagerstedt@Naturvardsverket.se](mailto:Per.Lagerstedt@Naturvardsverket.se)>; Klas Malmén <[klas.malmen@fi.se](mailto:klas.malmen@fi.se)>  
**Subject:** RE: Sweden - bitcoin mining

Dear Lukas,

Many thanks again for taking the time to speak to us at the end of last year. I hope you have had a relaxing and enjoyable holiday since then!

We are continuing our work looking at the sustainability risks associated with crypto production, and were wondering if there was any update from your side regarding your thoughts about any potential Commission involvement? We are of course happy to continue sharing the results of our work as it progresses. We note with interest increased restrictions in other countries and are also separately holding dialogues with other countries.

Best wishes.

Charlotte

---

**Från:** Charlotte Fried

**Skickat:** den 26 november 2021 11:30

**Till:** REPA Lukas <[Lukas.REPA@ec.europa.eu](mailto:Lukas.REPA@ec.europa.eu)>; [Per.Lagerstedt@Naturvardsverket.se](mailto:Per.Lagerstedt@Naturvardsverket.se); Klas Malmén <[klas.malmen@fi.se](mailto:klas.malmen@fi.se)>

**Ämne:** SV: Sweden - bitcoin mining

Hi Lukas,

We did indeed – we look forward to speaking to you at 12.00.

Best wishes,

Charlotte

---

**Från:** REPA Lukas <[Lukas.REPA@ec.europa.eu](mailto:Lukas.REPA@ec.europa.eu)>

**Skickat:** den 26 november 2021 11:28

**Till:** Charlotte Fried <[charlotte.fried@fi.se](mailto:charlotte.fried@fi.se)>; [Per.Lagerstedt@Naturvardsverket.se](mailto:Per.Lagerstedt@Naturvardsverket.se); Klas Malmén <[klas.malmen@fi.se](mailto:klas.malmen@fi.se)>

**Ämne:** RE: Sweden - bitcoin mining

Dear Charlotte, Per, Klas

Did you receive our webex link for the meeting today at 12:00?

Lukas

---

**From:** REPA Lukas (CNECT)

**Sent:** Monday, November 22, 2021 5:46 PM

**To:** 'Charlotte Fried' <[charlotte.fried@fi.se](mailto:charlotte.fried@fi.se)>; ALLAN Fiona (CNECT) <[Fiona.Allan@ec.europa.eu](mailto:Fiona.Allan@ec.europa.eu)>

**Cc:** [Per.Lagerstedt@Naturvardsverket.se](mailto:Per.Lagerstedt@Naturvardsverket.se); Klas Malmén <[klas.malmen@fi.se](mailto:klas.malmen@fi.se)>; KOEPMAN Helen (CNECT) <[Helen.KOPMAN@ec.europa.eu](mailto:Helen.KOPMAN@ec.europa.eu)>; SMOLINSKA Joanna (CNECT) <[Joanna.SMOLINSKA@ec.europa.eu](mailto:Joanna.SMOLINSKA@ec.europa.eu)>

**Subject:** RE: Sweden - bitcoin mining

Dear Charlotte

The meeting on Wednesday 12:00 overlaps with another meeting. Checking Helen's agenda, we could offer Friday 26-11 at 12:00 CE instead. Both Helen and I could be free then. Would that work on your end?

Best, Lukas

---

**From:** Charlotte Fried <[charlotte.fried@fi.se](mailto:charlotte.fried@fi.se)>

**Sent:** Monday, November 22, 2021 12:15 PM

**To:** ALLAN Fiona (CNECT) <[Fiona.Allan@ec.europa.eu](mailto:Fiona.Allan@ec.europa.eu)>

**Cc:** [Per.Lagerstedt@Naturvardsverket.se](mailto:Per.Lagerstedt@Naturvardsverket.se); Klas Malmén <[klas.malmen@fi.se](mailto:klas.malmen@fi.se)>; REPA Lukas (CNECT) <[Lukas.REPA@ec.europa.eu](mailto:Lukas.REPA@ec.europa.eu)>; KOEPMAN Helen (CNECT) <[Helen.KOPMAN@ec.europa.eu](mailto:Helen.KOPMAN@ec.europa.eu)>; SMOLINSKA Joanna (CNECT) <[Joanna.SMOLINSKA@ec.europa.eu](mailto:Joanna.SMOLINSKA@ec.europa.eu)>; CNECT F <[CNECT-F@ec.europa.eu](mailto:CNECT-F@ec.europa.eu)>

**Subject:** SV: Sweden - bitcoin mining

Dear Fiona,

Many thanks for your assistance. We look forward to speaking with your colleagues on Wednesday.

From our end, the following individuals will be present:

Charlotte Fried [charlotte.fried@fi.se](mailto:charlotte.fried@fi.se) – Finansinspektionen Market Policy

Klas Malmén [klas.malmen@fi.se](mailto:klas.malmen@fi.se) – Finansinspektionen Innovation Centre

Per Lagerstedt [Per.Lagerstedt@Naturvardsverket.se](mailto:Per.Lagerstedt@Naturvardsverket.se) - Naturvårdsverket Senior Adviser

Kind regards,

Charlotte

---

**Från:** ALLAN Fiona <[Fiona.Allan@ec.europa.eu](mailto:Fiona.Allan@ec.europa.eu)>

**Skickat:** den 22 november 2021 11:55

**Till:** Charlotte Fried <[charlotte.fried@fi.se](mailto:charlotte.fried@fi.se)>

**Kopia:** [Per.Lagerstedt@Naturvardsverket.se](mailto:Per.Lagerstedt@Naturvardsverket.se); Klas Malmén <[klas.malmen@fi.se](mailto:klas.malmen@fi.se)>; REPA Lukas <[Lukas.REPA@ec.europa.eu](mailto:Lukas.REPA@ec.europa.eu)>; KOEPMAN Helen <[Helen.KOPMAN@ec.europa.eu](mailto:Helen.KOPMAN@ec.europa.eu)>; SMOLINSKA Joanna <[Joanna.SMOLINSKA@ec.europa.eu](mailto:Joanna.SMOLINSKA@ec.europa.eu)>; [CNECT-F@ec.europa.eu](mailto:CNECT-F@ec.europa.eu)

**Ämne:** RE: Sweden - bitcoin mining

Dear Charlotte,

Thank you for your kind message. As Mr de Graaf's agenda is very busy tomorrow, he will not join the meeting but our colleagues, Helen Koepman Acting Head of the Digital Innovation and Blockchain Unit, Lukas Repa, Senior Policy Officer and Joanna Smolinska, Policy Assistant to the Director, will participate.

I can certainly set up the webex call this Wednesday at 12h. Please send me the participant names and email addresses.

Kind regards,

Fiona

---

**From:** Charlotte Fried <[charlotte.fried@fi.se](mailto:charlotte.fried@fi.se)>

**Sent:** Monday, November 22, 2021 10:30 AM

**To:** ALLAN Fiona (CNECT) <[Fiona.Allan@ec.europa.eu](mailto:Fiona.Allan@ec.europa.eu)>

**Cc:** [Per.Lagerstedt@Naturvardsverket.se](mailto:Per.Lagerstedt@Naturvardsverket.se); Klas Malmén <[klas.malmen@fi.se](mailto:klas.malmen@fi.se)>; REPA Lukas (CNECT) <[Lukas.REPA@ec.europa.eu](mailto:Lukas.REPA@ec.europa.eu)>; DE GRAAF Gerard (CNECT) <[Gerrit.DE-GRAAF@ec.europa.eu](mailto:Gerrit.DE-GRAAF@ec.europa.eu)>; KOEPMAN Helen (CNECT) <[Helen.KOPMAN@ec.europa.eu](mailto:Helen.KOPMAN@ec.europa.eu)>; SMOLINSKA Joanna (CNECT) <[Joanna.SMOLINSKA@ec.europa.eu](mailto:Joanna.SMOLINSKA@ec.europa.eu)>; CNECT F <[CNECT-F@ec.europa.eu](mailto:CNECT-F@ec.europa.eu)>

**Subject:** SV: Sweden - bitcoin mining

Dear Fiona,

I also wanted to quickly clarify – the conversation was planned to be staffed at policy-level on our end (i.e. we have not scheduled our two Director Generals to join this particular call). Mr de Graaf is still of course very welcome to take part – but from re-reading my e-mails I have realised I have not been as clear as I could be on this. The authors of our published pieces will instead be present.

Should the Commission feel that it is important for Erik to take part, please let me know. Otherwise we will proceed by staffing the meeting with subject matter experts.

Kind regards,

Charlotte

---

**Från:** Charlotte Fried

**Skickat:** den 22 november 2021 10:22

**Till:** 'ALLAN Fiona' <[Fiona.Allan@ec.europa.eu](mailto:Fiona.Allan@ec.europa.eu)>

**Kopia:** [Per.Lagerstedt@Naturvardsverket.se](mailto:Per.Lagerstedt@Naturvardsverket.se); Klas Malmén <[klas.malmen@fi.se](mailto:klas.malmen@fi.se)>; REPA Lukas <[Lukas.REPA@ec.europa.eu](mailto:Lukas.REPA@ec.europa.eu)>; DE GRAAF Gerard <[Gerrit.DE-GRAAF@ec.europa.eu](mailto:Gerrit.DE-GRAAF@ec.europa.eu)>; KOEPMAN Helen <[Helen.KOPMAN@ec.europa.eu](mailto:Helen.KOPMAN@ec.europa.eu)>; SMOLINSKA Joanna <[Joanna.SMOLINSKA@ec.europa.eu](mailto:Joanna.SMOLINSKA@ec.europa.eu)>; [CNECT-F@ec.europa.eu](mailto:CNECT-F@ec.europa.eu)

**Ämne:** SV: Sweden - bitcoin mining

Dear Fiona,

Many thanks for your e-mail. That time still works well for us and we look forward to having Mr de Graaf join us. Thank you also for your kind offer to set up a webex call – that sounds perfect.

Kind regards,

Charlotte

---

**Från:** ALLAN Fiona <[Fiona.Allan@ec.europa.eu](mailto:Fiona.Allan@ec.europa.eu)>  
**Skickat:** den 19 november 2021 16:20  
**Till:** Charlotte Fried <[charlotte.fried@fi.se](mailto:charlotte.fried@fi.se)>  
**Kopia:** [Per.Lagerstedt@Naturvardsverket.se](mailto:Per.Lagerstedt@Naturvardsverket.se); Klas Malmén <[klas.malmen@fi.se](mailto:klas.malmen@fi.se)>; REPA Lukas <[Lukas.REPA@ec.europa.eu](mailto:Lukas.REPA@ec.europa.eu)>; DE GRAAF Gerard <[Gerrit.DE-GRAAF@ec.europa.eu](mailto:Gerrit.DE-GRAAF@ec.europa.eu)>; KOEPMAN Helen <[Helen.KOPMAN@ec.europa.eu](mailto:Helen.KOPMAN@ec.europa.eu)>; SMOLINSKA Joanna <[Joanna.SMOLINSKA@ec.europa.eu](mailto:Joanna.SMOLINSKA@ec.europa.eu)>; [CNECT-F@ec.europa.eu](mailto:CNECT-F@ec.europa.eu)  
**Ämne:** RE: Sweden - bitcoin mining

Dear Charlotte,

I am following up on your exchange with Lukas regarding the call with Mr Thedeen and Mr Risinger next week, to which our Director, Mr de Graaf, would be pleased to participate.

Mr de Graaf's agenda is very busy next week but he is available on Wednesday 24<sup>th</sup> November at 12h, if that is still convenient on your side? Unless you prefer a phone call, we would be pleased to set up a webex call.

Looking forward to hearing from you.

Kind regards,

Fiona  
**Fiona ALLAN**  
Administrative Assistant  
Secretariat of Gerard de Graaf, Director



European Commission  
DG CONNECT – Directorate F: Digital Transformation

---

**From:** Charlotte Fried <[charlotte.fried@fi.se](mailto:charlotte.fried@fi.se)>  
**Sent:** Tuesday, November 16, 2021 9:40 AM  
**To:** REPA Lukas (CNECT) <[Lukas.REPA@ec.europa.eu](mailto:Lukas.REPA@ec.europa.eu)>  
**Cc:** Klas Malmén <[klas.malmen@fi.se](mailto:klas.malmen@fi.se)>; [Per.Lagerstedt@Naturvardsverket.se](mailto:Per.Lagerstedt@Naturvardsverket.se)  
**Subject:** RE: Sweden - bitcoin mining

Dear Lukas,

Thank you for your e-mail to our Director Generals, Erik and Björn. We would be delighted to have a phone call with you to explain our thinking behind the article we published. (The English version of the article is available here: <https://www.fi.se/en/published/presentations/2021/crypto-assets-are-a-threat-to-the-climate-transition--energy-intensive-mining-should-be-banned/>)

It is important to note, that the opinions expressed in the article represent those of our two Authorities only – i.e. this is not the position of the Swedish government.

We would suggest we arrange a phone call for next week. Would you have any availability on either the Tuesday morning (between 9 am to 2 pm) or the Wednesday between 10am and 3pm?

Best regards,

Charlotte

---

**Från:** REPA Lukas <[Lukas.REPA@ec.europa.eu](mailto:Lukas.REPA@ec.europa.eu)>  
**Skickat:** den 15 november 2021 11:45  
**Till:** [Erik.Thedeen@fi.se](mailto:Erik.Thedeen@fi.se); Risinger, Björn <[Bjorn.Risinger@Naturvardsverket.se](mailto:Bjorn.Risinger@Naturvardsverket.se)>  
**Kopia:** CIP Marko <[Marko.CIP@ec.europa.eu](mailto:Marko.CIP@ec.europa.eu)>  
**Ämne:** Sweden - bitcoin mining

Dear Mr Thedeen,  
Dear Mr. Risinger,

By way of introduction, my name is Lukas Repa and I work at the European Commission as senior policy officer in DG CNECT. I am part of a team of experts working on blockchain technologies. We learned from a recent report in Euronews that your authorities have proposed a pan-European bank on crypto mining. We would be interested to understand precisely your

authorities' position and the intentions of the Swedish government.

Would you or colleagues working with you be available for a phone call to discuss ?

Best regards

Lukas

Lukas Repa, Dr.iur, LL.M  
Senior Policy Officer  
DG Communications Networks, Content and Technology  
Digital Innovation and Blockchain (Unit F3)  
European Commission  
BU 25, 1-105 Brussels  
Tel. +32.2 29 68 533  
[Lukas.Repa@ec.europa.eu](mailto:Lukas.Repa@ec.europa.eu)  
[www.linkedin.com/in/lukas-repa/](http://www.linkedin.com/in/lukas-repa/)

Mejlet har skannats av Finansinspektionens It-funktion.

Mejlet har skannats av Finansinspektionens It-funktion.

Mejlet har skannats av Finansinspektionens It-funktion.

Mejlet har skannats av Finansinspektionens It-funktion.

Mejlet har skannats av Finansinspektionens It-funktion.

Mejlet har skannats av Finansinspektionens It-funktion.