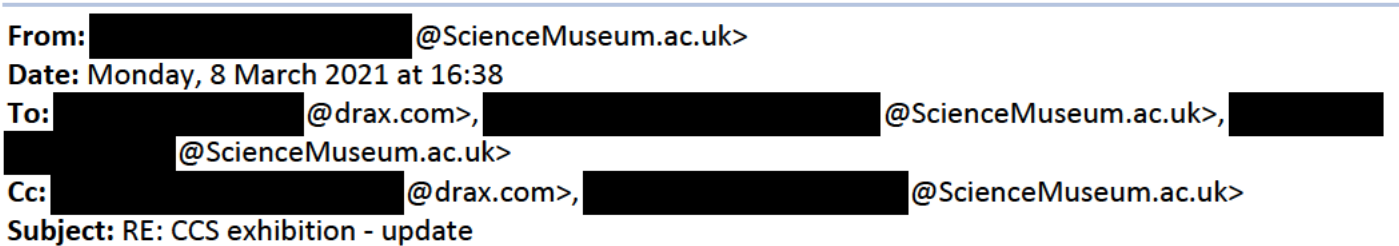

██████████ Hello both. Hope all is good. I also see you have an [online event on GGR on the 31st](#). If you'd like our help promoting that, we'd be happy to.



[REDACTED]



■

Lovely to e-meet you 😊 please find the press release from our December announcement of the exhibition attached for reference, we'll be issuing an updated one on the morning of the exhibition opening with images from within the exhibition, as [REDACTED] has said this will be the same date we re-open to the public but the internal proposed date we're currently working to is confidential for now. I've also looped in [REDACTED] above who is leading on Marketing for the exhibition including email marketing, social media and blog posts etc so be great to loop her in with the best contact from your side.

Best,

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]@drax.com>

Sent: 08 March 2021 15:04

To: [REDACTED]@ScienceMuseum.ac.uk>; [REDACTED]@ScienceMuseum.ac.uk>

Cc: [REDACTED]@drax.com>; [REDACTED]@ScienceMuseum.ac.uk>

Subject: RE: CCS exhibition - update

CAUTION: This is an external email. Please do not click on links or attachments unless you are expecting them and are confident you recognise the sender.

That's great news about the museum reopening – I suppose looking at the covid delay positively, it gives you all a little more time to get everything ready, which I imagine is helpful in some ways.

[REDACTED] – if you can share the press release with us, nearer the time, that would be great. The embargo and confidentiality is noted.

And thanks [REDACTED] for agreeing to share the video so we get a sneak peek. And just to say – we won't share anything with anyone unless we've agreed it with you first as part of plans for promoting the exhibition.

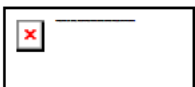
Thanks again

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED][@drax.com](mailto:[REDACTED]@drax.com)



From: [REDACTED] <[\[REDACTED\]@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>
Sent: 08 March 2021 14:52
To: [REDACTED] <[\[REDACTED\]@drax.com](mailto:[REDACTED]@drax.com)>; [REDACTED] <[\[REDACTED\]@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>
Cc: [REDACTED] <[\[REDACTED\]@drax.com](mailto:[REDACTED]@drax.com)>; [REDACTED] <[\[REDACTED\]@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>
Subject: RE: CCS exhibition - update

Hi [REDACTED]

Lovely to hear from you – to update you, we're planning to provisionally open on May 19th now. This is the earliest that we're able to under the latest government guidance. I've cc'd in [REDACTED] who is the [REDACTED] for this exhibition and will be co-ordinating press around the opening of the both the museum and the exhibition – since that is now the same day effectively! Opening dates current under press embargo, so please don't share.

We're still working on editing the films in the exhibition, I'd be happy to share that with you once it's finished, it's being reviewed by the directorate at the moment, most likely early April at this point.

All best wishes for now,
[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED] <[\[REDACTED\]@drax.com](mailto:[REDACTED]@drax.com)>
Sent: 08 March 2021 14:28
To: [REDACTED] <[\[REDACTED\]@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>; [REDACTED] <[\[REDACTED\]@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>
Cc: [REDACTED] <[\[REDACTED\]@drax.com](mailto:[REDACTED]@drax.com)>
Subject: CCS exhibition - update

CAUTION: This is an external email. Please do not click on links or attachments unless you are expecting them and are confident you recognise the sender.

Hi there,

How are you both doing?

I just wanted to check in to see how things were progressing for the exhibition – and also to see what the plan was for opening? Originally the plan was, I think for the exhibition to be open from the end of March. Is that still the plan – or has the covid situation meant that it's been pushed back?

I know you've been in touch with [REDACTED] separately to organise video interviews with some of our team. Will we be able to see the footage filmed prior to it being used in the exhibition? I understand [REDACTED], one of our engineers actually came in to be filmed recently – it would be fab if we could see the interview. We're really looking forward to seeing everything.

Thanks again

[REDACTED]

[REDACTED]

From: [REDACTED]@drax.com>
Sent: 14 January 2021 18:08
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Science Museum text for biomass chips

CAUTION: This is an external email. Please do not click on links or attachments unless you are expecting them and are confident you recognise the sender.

Understood – thanks [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]@drax.com



From: [REDACTED]@ScienceMuseum.ac.uk>
Sent: 14 January 2021 18:02
To: [REDACTED]@drax.com>; [REDACTED]@drax.com>
Cc: [REDACTED]@ScienceMuseum.ac.uk>
Subject: RE: Science Museum text for biomass chips

Hi [REDACTED] and [REDACTED]

Thanks, the team will review your suggestions. As mentioned previously, the Science Museum needs to retain editorial control on the final text.

All the best,

[REDACTED]

From: [REDACTED]@drax.com>
Sent: 14 January 2021 14:10
To: [REDACTED]@drax.com>; [REDACTED]@ScienceMuseum.ac.uk>
Cc: [REDACTED]@ScienceMuseum.ac.uk>
Subject: RE: Science Museum text for biomass chips

CAUTION: This is an external email. Please do not click on links or attachments unless you are expecting them and are confident you recognise the sender.

Thanks both,

If sustainable sourcing policies are adhered to, such as those that Drax has, then biomass does not cause deforestation or climate change. Because these are our pellets I wouldn't be comfortable with the inference that the Science Museum thinks it is a challenge for bioenergy not to contribute to deforestation and climate change.

It would therefore be best from my POV if the label said:

Wood is burnt in power stations to generate electricity as a renewable alternative to coal. These wood pellets were sustainably sourced from US pine then shipped to Drax, a UK powerplant.

New trees can take decades to grow. It is therefore essential that increasing demand for wood-based energy in the short term does not drive deforestation or contribute to climate change.

This alternative wording makes it clear that there is a balance to be struck between using forests for bioenergy and the need for forests to provide important habitats and carbon sinks – which I expect is the point you're wanting to make.

■ – is it possible to make these changes? It is within the word limit still.

Thanks

■
■
■

■
■
■

■ [@drax.com](mailto:■@drax.com)

■

From: ■ [@drax.com](mailto:■@drax.com)>
Sent: 14 January 2021 11:45
To: ■ [@ScienceMuseum.ac.uk](mailto:■@ScienceMuseum.ac.uk)>; ■ [@drax.com](mailto:■@drax.com)>
Cc: ■ [@ScienceMuseum.ac.uk](mailto:■@ScienceMuseum.ac.uk)>
Subject: Re: Science Museum text for biomass chips

Hi ■

Thanks for the heads up.

We can confidently answer any challenges we may face on the second para, so a tentative OK from us (but ■ may want to respond too).

Thanks

■

From: [REDACTED]@ScienceMuseum.ac.uk>
Date: Thursday, 14 January 2021 at 11:41
To: [REDACTED]@drax.com>, [REDACTED]@drax.com>
Cc: [REDACTED]@ScienceMuseum.ac.uk>
Subject: RE: Science Museum text for biomass chips

Dear [REDACTED] and [REDACTED]

Just wanted to share with you the text we have developed (below in red) following internal reviews.

All the best,

[REDACTED]

2.3.5 Pine biomass pellets

Wood is burnt in power stations to generate electricity as a renewable alternative to coal. These wood pellets were sustainably sourced from US pine then shipped to Drax, a UK powerplant.

New trees can take decades to grow. So the challenge will be to ensure that increasing demand for wood-based energy in the short term does not drive deforestation and climate change.

[62 words]

Pine biomass pellets

Donated by Drax

Science Museum Group. Object no.

From: [REDACTED]@drax.com>
Sent: 05 January 2021 17:23
To: [REDACTED]@ScienceMuseum.ac.uk>; [REDACTED]@drax.com>; [REDACTED]
[REDACTED]@ScienceMuseum.ac.uk>
Subject: RE: Science Museum text for biomass chips

CAUTION: This is an external email. Please do not click on links or attachments unless you are expecting them and are confident you recognise the sender.

Great stuff – glad they have arrived safely.

Look forward to hearing from you again soon on the label text too.

Thanks [REDACTED]

[REDACTED]

[REDACTED]

██████████@drax.com

From: ██████████@ScienceMuseum.ac.uk>

Sent: 05 January 2021 16:42

To: ██████████@drax.com>; ██████████@drax.com>; ██████████@ScienceMuseum.ac.uk>

Subject: RE: Science Museum text for biomass chips

Dear ██████ and ██████

Happy new year to you both.

Thanks very much for the comments and suggested edits. We will review the text further and share with you our next version.

We did receive the pellets – much appreciated!

All the best,

██████████

From: ██████████@drax.com>

Sent: 04 January 2021 14:54

To: ██████████@drax.com>; ██████████@ScienceMuseum.ac.uk>; ██████████@ScienceMuseum.ac.uk>

Subject: RE: Science Museum text for biomass chips

CAUTION: This is an external email. Please do not click on links or attachments unless you are expecting them and are confident you recognise the sender.

Hi all.

Hope you've had a good Christmas.

Not to reinvent the wheel here – but having come back from leave and taken a quick look at the emails which explain the word count limit – I thought I could possibly build on ██████ suggested label:

Powerplants use wood as an alternative to coal, to generate renewable electricity. These pellets were sustainably sourced from US pine forests then shipped to Drax, a UK powerplant.

Trees take decades to grow. As we need them to absorb carbon dioxide emissions, wood used to power our modern world must come from forests which are growing and increasing the amount of carbon stored.

Have the pellets arrived now?

Thanks again

[REDACTED]

From: [REDACTED]
Sent: 05 January 2021 13:58
To: [REDACTED]
Subject: RE: Text query

Cool thanks – i'll pop something in

From: [REDACTED]@ScienceMuseum.ac.uk>
Sent: 05 January 2021 13:53
To: [REDACTED]@ScienceMuseum.ac.uk>
Subject: RE: Text query

Hi yes am free after 3

From: [REDACTED]@ScienceMuseum.ac.uk>
Sent: 05 January 2021 13:11
To: [REDACTED]@ScienceMuseum.ac.uk>
Subject: Text query

Hi [REDACTED]

Do you have 5-10 mins today for a quick chat about the Drax text and comms with them? Chatted with [REDACTED] earlier about it and we thought might be good to run past you.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 26 February 2021 23:27
To: [REDACTED]
Cc: [REDACTED]
Subject: Diagram edits from [REDACTED] feedback
Attachments: Natural carbon sinks text for print.docx; References for diagrams.docx; Revised object labels 260221.docx

Importance: High

Hi [REDACTED] and [REDACTED]

Thank you again for your patience and perseverance with these diagrams. We have made the below changes following feedback from [REDACTED]. Hopefully they don't require huge amounts of work...

1. We will add sources/references to the coal diagram and the other diagrams that show data, size 14 font to match object numbers. If it looks awful, we can reconsider. See attached list. I'm not sure whether to say Source: or References: or whatever, but we will ask [REDACTED]
2. We have revised the pine biomass label and the coal object label (attached).
3. We have added a paragraph on "Permafrost" to the carbon sinks diagram and changed the other 3 paragraphs (please note the minor change to Seas/Oceans – tiny organisms). Attached. Let me know if the *Forests* paragraph is now too long!
4. We would prefer not to make the change, but we might have to change the North Sea storage label as follows: *Governments and industries are looking for ways to prevent further damage to the climate by locking away carbon dioxide emissions – a massive complex endeavour that needs massive storage space.* I will confirm first thing on Monday but wanted to let you know now in case it impacts the layout.

I sent through separately our preferred numbering system for biomass and the final showcase.

Hopefully this is everything!

Thank you again. [REDACTED]

Cheers,
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 09 February 2021 13:23
To: [REDACTED]
Cc: [REDACTED]
Subject: Maps and diagrams as of 9/2/21
Attachments: maps and diagrams as of 2021.02.09.pptx

Hi [REDACTED]

First of all, I hope you are feeling better today.

I collated all the diagrams and maps that we have on display to give you an overview of where we are at the moment.

I added notes to let you know the main feedback that Picnic and design still need to work on. Happy to talk you through it all if there is anything that is not entirely clear.

Best

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 24 February 2021 09:34
To: [REDACTED]
Subject: Numbers next to biomass chip types

Hi all,

Did we make a decision on whether to have numbers next to the pine/willow/miscanthus in the biomass diagram and then we could also have them on the object labels and put some little number cubes in with the objects??

Does anyone have any thoughts/preferences?

Cheers,

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 24 February 2021 16:38
To: [REDACTED]
Subject: RE: 20050 Diagrams final round

One thing I just noticed re the order in which the biomass label text appears (pine top, willow middle, miscanthus bottom) – is that the willow label refers to miscanthus in the final sentence, so if visitors are reading labels top to bottom they will not have encountered 'miscanthus' at this point.

Probably one for [REDACTED] to say if this is a problem? If it is, I suppose we would want to swap the order they appear in the diagram so it matches with the label order, which could be an issue at this late stage.

I personally read newspapers from back to front, so perhaps it's wrong anyway to assume visitors might read labels from top to bottom!

All the best,

[REDACTED]

From: [REDACTED]@ScienceMuseum.ac.uk>
Sent: 24 February 2021 15:12
To: [REDACTED]@ScienceMuseum.ac.uk>; [REDACTED]@ScienceMuseum.ac.uk>; [REDACTED]@ScienceMuseum.ac.uk>
Cc: [REDACTED]@ScienceMuseum.ac.uk>; [REDACTED]@ScienceMuseum.ac.uk>
Subject: 20050 Diagrams final round

Hi all,
See updated diagrams with your latest changes in.

If [REDACTED]/team have any changes could you please gather them on one list today/tomorrow? I plan to finish artwork on Friday.

Thanks

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 22 February 2021 16:28
To: [REDACTED]
Cc: [REDACTED]
Subject: 20050 EXH Diagrams final round.
Attachments: __Coal diagram 01.pdf; __Biomass plinth 02.pdf; __Ocean storage.pdf; __Carbon sinks .pdf

Hi team,

Please see attached the latest iteration of the diagrams.

- Coal diagram with the text you have provided (minus disclaimer, will add that later).

- Ocean storage: let me know if you think having the map in green is confusing. I just wanted to add texture to make it more similar to Picnic's, but I can do the same texture in grey if green is problematic. I just think the matching colour is more peaceful to the eye. Also, will someone check locations? I was very accurate when I first marked them but it may have moved with my artworking. Lastly, would it be terribly wrong to eliminate the Antarctic ocean? It would look much nicer.

- Biomass: new layout as discussed on last meeting.

- Ocean storage: the minor changes you had.

The remaining ones (rock dust and Climeworks) go on labels so are second priority (next week). If you could give me a unified feedback by EOP Wednesday that would be great. My priority this week is to send this to print by Friday.

Many Thanks

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 10 February 2021 14:15
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Maps and diagrams as of 9/2/21
Attachments: maps and diagrams as of 2021.02.09.pptx

Hi [REDACTED]

Please find attached a revised version of the summary of diagrams, including the key message for it and where they are located on the plan.

Here is a link to the story matrix:

 [CURRENT CC story matrix.docx](#)

I have had some trouble finding a suitable slot for a conversation today, but I will keep looking.

Thanks,

[REDACTED]

From: [REDACTED]@ScienceMuseum.ac.uk>
Sent: 10 February 2021 12:09
To: [REDACTED]@ScienceMuseum.ac.uk>
Cc: [REDACTED]@ScienceMuseum.ac.uk>
Subject: RE: Maps and diagrams as of 9/2/21
Importance: High

Hi [REDACTED]

Thanks for sending these through.

Without imposing too much on your time (as I know the team is very busy), what would be really useful is to know:

1. The key message for each diagram – this the most important info I need, thanks
2. Link to the story matrix – so I can remind myself of the overall summary of labels/information we have on gallery again
3. Location on gallery floor plan

2 and 3 I have a fairly good memory for, although with the Teeside and Humber being a 'late' entry, it would be good to take a look overall again.

If helpful you and I could whip through this information in conversation together for half hour – I can find this time later today or tomorrow morning, if there is a deadline to get back to Picnic.

Thanks

[REDACTED]

[REDACTED]

+ [REDACTED]
[REDACTED]

From: [REDACTED] <[\[REDACTED\]@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>
Sent: 09 February 2021 13:23
To: [REDACTED] <[\[REDACTED\]@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>
Cc: [REDACTED] <[\[REDACTED\]@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>
Subject: Maps and diagrams as of 9/2/21

Hi [REDACTED]

First of all, I hope you are feeling better today.

I collated all the diagrams and maps that we have on display to give you an overview of where we are at the moment.

I added notes to let you know the main feedback that Picnic and design still need to work on. Happy to talk you through it all if there is anything that is not entirely clear.

Best

[REDACTED]

[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]
[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 25 February 2021 14:51
To: [REDACTED]
Subject: RE: Our Future Planet - diagrams final artwork

Hi [REDACTED]
Hmmm – no obvious answer to that. I originally asked for a different aesthetic for the two directions but it was changed back to this. At this stage I've got nothing against extra arrows but I wouldn't want this to become too busy...

[REDACTED]

From: [REDACTED]@ScienceMuseum.ac.uk>
Sent: 24 February 2021 16:58
To: [REDACTED]@ScienceMuseum.ac.uk>
Subject: FW: Our Future Planet - diagrams final artwork

Hi,

What do you think about [REDACTED] request for more arrows on the biomass diagram? I'm happy to ask [REDACTED] if you agree we need them but I'm not sure we do??

Let me know!
Cheers,
[REDACTED]

[REDACTED]

From: [REDACTED]@ScienceMuseum.ac.uk>
Sent: 24 February 2021 13:33
To: [REDACTED]@ScienceMuseum.ac.uk>
Cc: [REDACTED]@ScienceMuseum.ac.uk>
Subject: Re: Our Future Planet - diagrams final artwork

Thanks [REDACTED] - all I mean is that for some people they may not quite get that the diagram is showing emissions going out and carbon being captured in - so maybe just about adding a couple of arrows for emphasis.

Hope that helps and thanks for the below - being on site normally would mean this would be easy to see/talk through but working remotely and in isolation means it's hard to grasp overall scale and size of the larger text/graphic elements overall.

Hope my clarification helps,

[REDACTED]

Get [Outlook for iOS](#)

From: [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>
Sent: Wednesday, February 24, 2021 12:18 pm
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Our Future Planet - diagrams final artwork

Thanks, [REDACTED]

I am not sure what we can do with the biomass diagram in terms of visualising the emissions but I will talk to [REDACTED] and [REDACTED]

Dimensions and font size below:

Font size is 26pt, so slightly larger than a label (22pt).

Dimensions:

Carbon sinks map (the whole white square): 980mmW x 590mmH.

Ocean Storage: 700mmW x 550mmH.

Biomass: 540mmW x 392mmH (to match height of labels next to it)

Coal: 550mmW x 540mmH (to match height of adjacent showcase)

Cheers,
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

From: [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>
Sent: 23 February 2021 15:58
To: [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>
Cc: [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>
Subject: RE: Our Future Planet - diagrams final artwork

Hi [REDACTED]

I have had a look at these today – and I also found it useful to see those messages and the layout again.

Couple of notes:

Biomass impact diagram: the visual depiction of carbon emissions and capture is not as clear for the biomass diagram as for the coal impact diagram. Obviously the nature of the information is more specific for the latter so more specific but is there anyway of making this more obvious for visitors who do may not read the smaller label alongside?

Can you confirm the sizes and fonts for the larger provocation labels/ impact diagrams, etc. and the font? I think I asked before but not sure if you have had to respond or not (apologies if I lost this in the deluge last week!).

Also good to see the phytoplankton image from East Coast of NZ – seems quite familiar!

Otherwise I think they look really good, clear and I really like the graphic approach taken for this exhibition (as I may have mentioned a few times now),

[REDACTED]

[REDACTED]

From: [REDACTED] <[\[REDACTED\]@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>
Sent: 23 February 2021 10:14
To: [REDACTED] <[\[REDACTED\]@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>
Cc: [REDACTED] <[\[REDACTED\]@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>; [REDACTED] <[\[REDACTED\]@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>; [REDACTED] <[\[REDACTED\]@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>
Subject: Our Future Planet - diagrams final artwork
Importance: High

Dear [REDACTED]

Thank you again for taking the time to feed into the development of the diagrams for *Our Future Planet*. Attached is the final artwork.

Also attached is a Powerpoint showing the main messages for each diagram and a map showing where each will sit within the exhibition to give you some context.

The attached diagrams will be sent to our printers this Friday 26th February in line with our delivery schedule so please let me know as soon as possible if you have any questions ahead of printing and installation.

I have booked some time in your calendar at 11:30 today for you to take a look. Hopefully this is convenient for you to have a look and let me know if you are happy for these to go to print.

Best wishes,
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 26 February 2021 23:34
To: [REDACTED]
Subject: RE: Our Future Planet - diagrams final artwork: comments from [REDACTED]
Attachments: References for diagrams.docx; Natural carbon sinks text for print.docx; Revised object labels 260221.docx

Importance: High

Hi both,

The team have put together the following to address [REDACTED] comments. Please let me know if you think we need to send these to her again but I am hugely concerned that if we do we will definitely miss our print deadline.

1. We will add sources to the coal diagram and the other diagrams that show data. These are attached and I will share what they look like when added to the diagrams – the plan is to use size 14 font to match object numbers. If it looks terrible we will reconsider and find a web-based solution.
2. We have revised the pine biomass label to include the effect on biodiversity (see attached – edits in red). We were unsure if the comment on *Miscanthus* was an instruction to change the label but we would like to keep it the same. I am happy to talk you through the curatorial and interpretive reasoning behind this decision.
3. We are sending the North Sea storage diagram to be expert-checked and will add the reference listed in the attached. We *can* change one instance of the word “massive” but I feel I would be doing the team a disservice if I didn’t strongly recommend we keep this sentence as it is. As [REDACTED] pointed out in her feedback, this is a deliberate device and this level of editing is not something we would expect. If you both think we need to change it based on [REDACTED] feedback then I will go ahead and make that change (changing the first “massive” to “complex” as per [REDACTED] suggestion).
4. We have added a paragraph on “Permafrost” to the carbon sinks diagram (see attached text and mockup). There are minor changes to the other 3 paragraphs to rebalance them with the new column widths (e.g. changing title for bogs, making “Forests” longer).
5. We have added references to heating homes and transport in the coal object label (attached) by changing things slightly so we talk earlier about fossil fuels in general. Hopefully this covers what [REDACTED] is asking for below.

Please let me know your thoughts on whether the above is sufficient and whether we need to confirm any of these changes with [REDACTED] as soon as possible. [REDACTED] will make the above changes over the weekend but we really must send to Leach on Monday morning if at all possible.

Thanks,
[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]@ScienceMuseum.ac.uk>

Sent: 26 February 2021 16:12

To: [REDACTED]@ScienceMuseum.ac.uk>; [REDACTED]@ScienceMuseum.ac.uk>

Subject: RE: Our Future Planet - diagrams final artwork: comments from [REDACTED]

Thanks [REDACTED] – I think its good to have it on the web also, and you could link via QR code if really wanted to in the exhibition.

We should standardise an approach for future exhibitions I agree.

Captions can also be determined in a more bespoke manner per style guide as [REDACTED] has said – we can ask [REDACTED] re previous practice,

Have great weekend – [REDACTED] call me if you need to,

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]@ScienceMuseum.ac.uk>

Sent: 26 February 2021 14:54

To: [REDACTED]@ScienceMuseum.ac.uk>; [REDACTED]

[REDACTED]@ScienceMuseum.ac.uk>

Subject: RE: Our Future Planet - diagrams final artwork: comments from [REDACTED]

Thanks both

[REDACTED] will have the best sense re data credits as I don't think we have done this in very many places, if we have it's more often tended to be in touchscreen content where we had more room to embed that sort of thing. [REDACTED] will know if we've done any for Tomorrow's World before?

If they can't be fit in tiny writing alongside the image diagram (a bit like we do with image credits) without it looking horrible then I agree a link would make the most sense. I don't know that we can get away with just putting this in the large-print book as not everyone would think to look there (people will assume that's only if you need visual help). Would the end of the acknowledgement panel be a sensible place (just pointing to the online landing page generally)?

What has worked well for you before [REDACTED] I am guessing that this might come up again for Amazonia and almost certainly will for Hunt the Vaccine so we may as well figure out a standard approach.

Realistically the majority of visitors won't be concerned about the data sources but I suppose for this particular subject matter it doesn't hurt for us to be able to show that we are upfront and robust about where our information is coming from. We should definitely have all this filed in one place anyway even if not public, so we can easily pull it out of challenged on anything (especially with [REDACTED] going on [REDACTED] and everyone else moving on to other projects, as we are bound to forget).

Let me know if you need me to look at any words for labels etc.

Thanks [REDACTED] ([REDACTED]) and sorry this is skewing your planned Friday.

Thanks
[REDACTED]

[REDACTED]
[REDACTED]

From: [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>

Sent: 26 February 2021 13:12

To: [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>

Cc: [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>

Subject: RE: Our Future Planet - diagrams final artwork: comments from [REDACTED]

Thanks, [REDACTED]

I am not sure what the approach is to listing data sources / references, but I can check with [REDACTED]. The data for the coal diagram was pulled from a few different places. I think including in the large print book is a great idea – do you have any advice here?

- Biomass – the object labels were signed off a while ago and we now have the layout set. But given past experience I will not push back. I have no idea how we'll crowbar biodiversity in there, but we'll do it.
- Permafrost will be even more difficult. Again – I will not push back. We will do it somehow but I have no idea how and it will take some time.
- We had a line on transport in the sack of coal object label that we could put back, which I think would address [REDACTED] comment? We took it out because very few vehicles are coal-powered these days but we can add it back in in the context of "fossil fuels" rather than just coal.
- In ocean storage – we used the word massive twice on purpose. Does that matter or do we just need to change it?

There is a chance I will have to miss some of this afternoon's Project training to get these changes done with the team. Hoping that's OK.

Cheers,
[REDACTED]

[REDACTED]
[REDACTED]

From: [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>

Sent: 26 February 2021 12:54

To: [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>

Cc: [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>

Subject: RE: Our Future Planet - diagrams final artwork: comments from [REDACTED]

Importance: High

Okay I have had a look, couple of comments:

- There are a few ways that we can credit but it must be consistent with SMG approach (presumably that is standard and from curatorial) and also applied online and onsite as need be (eg in the large print guide, etc. also). I have got around this before by having a link online to references for an entire exhibition and also an app before for anyone who wanted that level of detail
- Added content or additional change:

- Biomass – this is mainly about adjusting to flag up impact on biodiversity – again curatorial but any impact on wording length, etc. should be minimal as possible
- Same for Carbon Sinks re permafrost
- [REDACTED] has commented on the message for the specific label, rather than the diagram itself. However we can check against her point in the wider contextual labelling – which is also covered off in the intro from memory (without referencing the file)

So flag to me if you foresee anything major here [REDACTED] – hope you are able to contact [REDACTED] or [REDACTED] to work through any changes in time allowed,

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>
Sent: 26 February 2021 12:41
To: [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>; [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>
Cc: [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>; [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>; [REDACTED] <[REDACTED]@ScienceMuseum.ac.uk>
Subject: Our Future Planet - diagrams final artwork: comments from [REDACTED]
Importance: High

Hi [REDACTED]

It's my pleasure to help. Friday is always my day when I have time to look at content. Thanks for the attachments.

Firstly, you are all doing a great job. Well done and thank you so much for your hard work. Also, thanks [REDACTED] for your lovely presentation this week at the all colleague briefing and to [REDACTED] for her great presentation at the SMAB board. Both presentations were v well received.

Just a few comments below – meant to be helpful and not critical – just some ways we can make it even better.

1. Coal diagram – what is the source for this diagram? ie it needs to be from a trusted source e.g Nature / Royal Society etc?. Please can you quote the source at the bottom of the diagram and to do that consistently for all the diagrams?
2. Biomass:
 - a. A word of caution on the scots pine caption. There may be many critical of this label because of course scots pine will not support the level of biodiversity that deciduous native tree species will support. The pine needles when they drop, also change the pH of the soil making it v acidic. This changes the biodiversity of the soil too. It is just to remember that many environmentalists are against mono culture of scots pine plantations for this reason. It is just a reminder of ensuring we acknowledge the impact on biodiversity of making such a choice – ie ensuring that in the narrative in the videos we can make clear the balancing act of this approach and the consequences. The Forestry Commission were under fire just this week on this very point <https://www.theguardian.com/environment/2021/feb/23/row-over-uk-tree-planting-drive-we-want-the-right-trees-in-the-right-place>
 - b. Miscanthus label – “But scaling up production has its own challenges” .. Miscanthus grown in monoculture would not support the same level/type of biodiversity as for example a deciduous forest. This is in my view one of the biggest challenges as well as the land use issue

3. Ocean Storage: label storing CO2 under the sea – the word “massive” has been used twice in the same sentence. I suggest to change one of them
On the diagram, I am not a carbon capture and storage engineering expert so the key question is who did you check this with that is a subject expert and can check it is correct? Could you quote the source of the diagram for example? E.g a doc from the Royal Society of Engineering would be a trusted source for example.
4. Carbon sinks – pls add a source for the data on the pie chart to show where that data comes from e.g. a UN report or something trusted
On the photographs: The melting of the permafrosts in Siberia & Alaska needs to be mentioned in the narrative above the images. It is having a HUGE impact
<https://www.theguardian.com/environment/2020/oct/18/alaska-climate-change-tsunamis-melting-permafrost>
https://www.independent.co.uk/news/long_reads/climate-change-refugees-siberia-permafrost-melt-a9146616.html

On the powerpoint slides attached:

Slide 2: where it says Main Message “ Burning fossil fuels produces the electricity we need in our daily lives but also releases large amounts of carbon dioxide”. This sentence doesn't reflect the full picture. It isn't just electricity, it is also burning gas for heating our homes and fuel for transport (from the burning of diesel and petrol & compressed natural gas). V important to add in both of those.

Hope that is helpful.

All the very best,

[Redacted]

[Redacted]

From: [Redacted] <[\[Redacted\]@ScienceMuseum.ac.uk](mailto:[Redacted]@ScienceMuseum.ac.uk)>
Sent: 23 February 2021 10:14
To: [Redacted] <[\[Redacted\]@ScienceMuseum.ac.uk](mailto:[Redacted]@ScienceMuseum.ac.uk)>
Cc: [Redacted] <[\[Redacted\]@ScienceMuseum.ac.uk](mailto:[Redacted]@ScienceMuseum.ac.uk)>; [Redacted] <[\[Redacted\]@ScienceMuseum.ac.uk](mailto:[Redacted]@ScienceMuseum.ac.uk)>; [Redacted] <[\[Redacted\]@ScienceMuseum.ac.uk](mailto:[Redacted]@ScienceMuseum.ac.uk)>
Subject: Our Future Planet - diagrams final artwork
Importance: High

Dear [Redacted]

Thank you again for taking the time to feed into the development of the diagrams for *Our Future Planet*. Attached is the final artwork.

Also attached is a Powerpoint showing the main messages for each diagram and a map showing where each will sit within the exhibition to give you some context.

The attached diagrams will be sent to our printers this Friday 26th February in line with our delivery schedule so please let me know as soon as possible if you have any questions ahead of printing and installation.

I have booked some time in your calendar at 11:30 today for you to take a look. Hopefully this is convenient for you to have a look and let me know if you are happy for these to go to print.

Best wishes,

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 12 February 2021 10:01
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: willow and miscanthus ref images

Hi [REDACTED]

Yep, these are the four captions:

Biomass from crops and forests is harvested.

The harvested biomass is processed into pellets or bales, then stored.

The processed biomass is transported to a power station.

The biomass is burned in power stations to produce electricity.

We may want to add one-word titles and also an intro text to the diagram, as we discussed yesterday.

All the best,

From: [REDACTED]@ScienceMuseum.ac.uk>
Sent: 12 February 2021 09:57
To: [REDACTED]@ScienceMuseum.ac.uk>
Cc: [REDACTED]@ScienceMuseum.ac.uk>; [REDACTED]@ScienceMuseum.ac.uk>
Subject: Re: willow and miscanthus ref images

Hi [REDACTED]


Thanks for this, I will send you the comments for all the diagrams for review shortly.

Could you share the text you have so far for the biomass diagram with me?

Thanks

From: [REDACTED]@ScienceMuseum.ac.uk>
Date: Thursday, 11 February 2021 at 17:18
To: [REDACTED]@ScienceMuseum.ac.uk>
Cc: [REDACTED]@ScienceMuseum.ac.uk>; [REDACTED]
[REDACTED]@ScienceMuseum.ac.uk>
Subject: willow and miscanthus ref images

Hi [REDACTED]

Doc with images and visual descriptions of how willow and miscanthus should appear in the biomass diagram is saved here  [biomass diagram images.docx](#)

Thanks,

[REDACTED]

[REDACTED]


[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 11 February 2021 17:18
To: [REDACTED]
Cc: [REDACTED]
Subject: willow and miscanthus ref images

Hi [REDACTED]

Doc with images and visual descriptions of how willow and miscanthus should appear in the biomass diagram is saved here  [biomass diagram images.docx](#)

Thanks,

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 05 March 2021 13:49
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Carbon Capture - C-Capture Update for Comment Today

Importance: High

Thanks for sending this through [REDACTED]

Couple of summary comments here:

- Some of the Drax labels are a little offputting – can the team consider use of more familiar language for these also when they write the script? In particular – Carbon Dioxide depleted gas and also Carbon Dioxide storage and utilisation (eg just change to Carbon Dioxide storage and use)
- The Drax powerstation has the powerlines up front – which is sort of useful as it shows use up front – is it left out on purpose as misleading or not relevant here?
- A header or title for the diagram can greatly assist with framing what this is and the key message for audiences? I cannot remember the context label layout or object proximity – but any orientation to what audiences are looking at would be helpful
- Do the 'x's correspond to all the other visual 'language' we have? I think so, but double checking
- Do we need to include any references for this also – if so they would presumably follow what we have now set up to amend to the style guide?

Hopefully that helps and is in on time!

Have a great weekend,

[REDACTED]


[REDACTED]

[REDACTED]


From: [REDACTED]@ScienceMuseum.ac.uk>
Sent: 05 March 2021 09:49
To: [REDACTED]@ScienceMuseum.ac.uk>; [REDACTED]@ScienceMuseum.ac.uk>
Subject: FW: Carbon Capture - C-Capture Update for Comment Today
Importance: High

Hi [REDACTED],

Apologies for another tight turnaround. The C-capture how it works animation is ready. It is based on the below schematic from C-Capture. If you have time to look today that would be appreciated. As before, the words are placeholder text. The team will put together a real script soon.

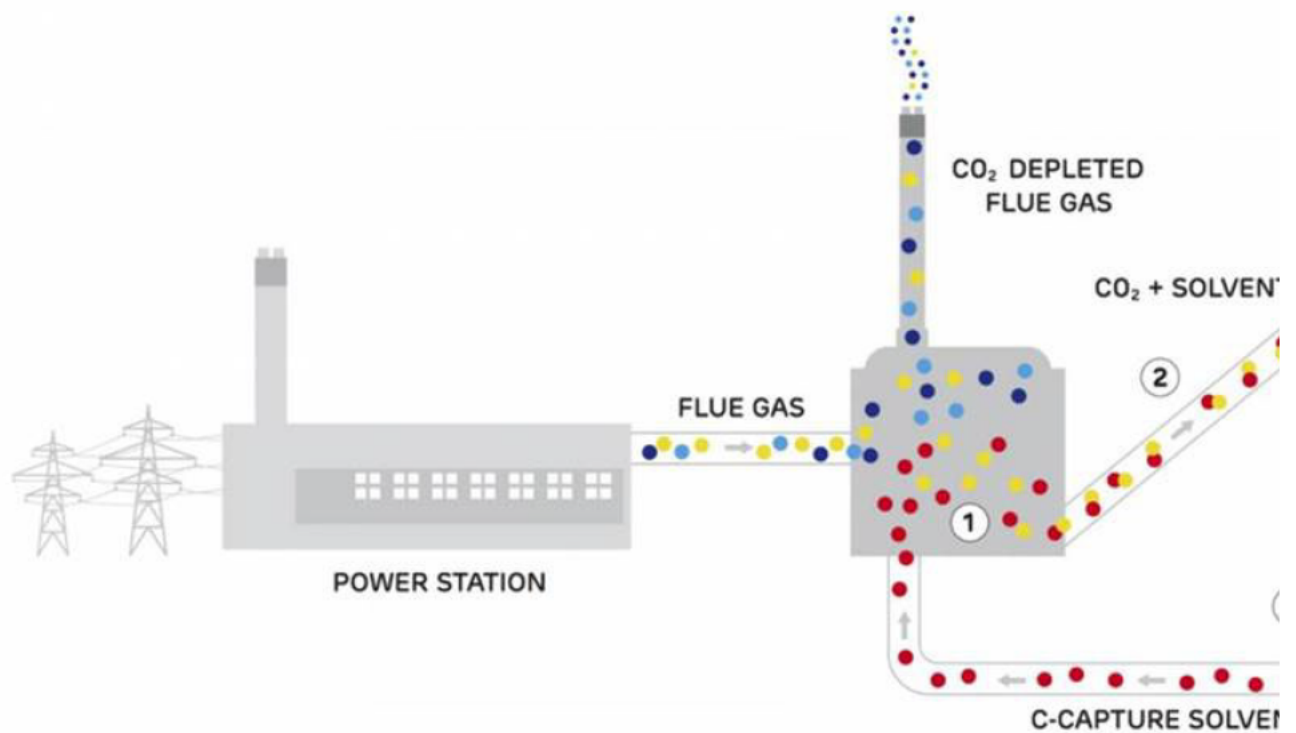
Links from [REDACTED]
You can see it here:
 [02_C_CAPTURE_03.mp4](#)

We need to turn around comments ASAP, if would you be able to comment on this today, ideally before 3 so [REDACTED] can issue the comments? Let me know if that's not possible.




 [Picnic C-Capture 2nd Cut FeedBack.docx](#)

Thanks,
[REDACTED]

C-Capture BECCS pilot at Drax Power Stat



KEY:

-  Flue gases
-  C-Capture solvent
-  CO₂

PROCESS:

- ① Drax biomass flue gases injected into absorber containing C-Capture's solvent
- ② The solvent 'collects' the CO₂ and is transferred to the next phase of the process
- ③ Heat is used to separate the C-Capture solvent from the CO₂
- ④ CO₂ is stored and utilised, whilst the C-Capture solvent is re-used

From: [REDACTED] [@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>

Sent: 05 March 2021 09:42

To: [REDACTED] [@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>; [REDACTED]

[REDACTED] [@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>; [REDACTED] [@ScienceMuseum.ac.uk](mailto:[REDACTED]@ScienceMuseum.ac.uk)>; [REDACTED]


[REDACTED]@ScienceMuseum.ac.uk>; [REDACTED]@ScienceMuseum.ac.uk>
Cc: [REDACTED]@ScienceMuseum.ac.uk>; [REDACTED]
[REDACTED]@ScienceMuseum.ac.uk>

Subject: Carbon Capture - C-Capture Update for Comment Today
Importance: High

Hi All,
Picnic have issued an update to the C-Capture animation based our comments.
You can see it here:

 [02_C_CAPTURE_03.mp4](#)

We need to turn around comments ASAP, if would you be able to comment on this **today, ideally before 3** so I can issue the comments? Let me know if that's not possible, and also if you can let me know when you have commented so I can send it as soon as everyone has done it.

 [Picnic C-Capture 2nd Cut FeedBack.docx](#)

Thanks,
[REDACTED]