**Stage**

**Trev Gregory**27 minutes ago

Circular Economy model...www.redeemexchange.eco

.



**Rebecca McLean**27 minutes ago

I like the view of "waste being a design flaw"......

.

**David O'Neill**26 minutes ago

@Peter Payne, it is difficult, especially when the initial response to any appraoch to a new agency is 'whats your budget' rather than what have you got thats innovative and different and can make a real difference, I struggle sometimes to understand that traditional mindset. We talk about how different post covid business will be...it won't!

.

**John Higgs**26 minutes ago

product makers could build repair data and recycling disassembly data into their products and abandon 'planned obsolescence' concepts. Legislate for it.

.



**Ran Boydell**26 minutes ago

@Chris Cooper yes to putting externalities ontobalance sheets, that is part of Triple Bottom Lineaccounting by John Elkington.

.

**Iain Findlay**26 minutes ago

Circular collaboration has been our experience with our work around mushroom production for plant-based proteins

.



**David Payne**26 minutes ago

@Allan Sandilands absolutely- constraucion HAS TO change- hello Scot gov

.

**Sam Hart**26 minutes ago

Absolutely @Rebecca McLean - DfMA+D,allowing for re-use and circularity!

.



**Geraldine Boylan**26 minutes ago

Product 'material passports'

.



**Fiona Grahame**25 minutes ago

I am in Orkney - I have to keep refreshing my link - that's the broadband problem

.



**Ran Boydell**25 minutes ago

Oops, meant @Chris Hanlon not @Chris Cooperapologies

.



**Ran Boydell**25 minutes ago

@Chris Hanlon yes to putting externalities ontobalance sheets, that is part of Triple Bottom Lineaccounting by John Elkington.

.

**Chris Hanlon**25 minutes ago

Cheers

.



**Allan Sandilands**24 minutes ago

The Zero Waste Scotland Circular Economy Business Support Service is a great place to experiment, collaborate and innovate in a supported environment with friendly Circular Economy experts (small plug - like Resource Futures)

.

**Mauricio Bermudez-Neubauer**24 minutes ago

@Chris Hanlon that's a good idea in principle, alot harder in practice and already happens onseveral fronts. See carbon pricing regulationssuch as EU ETS (though this places carbonemissions externality (not fully valued at socialcost) on income statements and not balancesheets....

.

**Neil Johnson-Symington**24 minutes ago

A Question for Peter: Single use plastics are not the only problem with packaging - many companies are still using polystyrene. Should companies be forced to ditch these wasteful practices, even to the point of being penalised?

.

**Iain Findlay**23 minutes ago

@Neil Johnson-Symington We have been developping capacity around mycelium based materials...they are remarkabel

.



**Alan Hendry**23 minutes ago

Need to give a shout out here for Young Enterprise Scotland's Circular Economy Challenge, a great opportunity for businesses to support young folks on thinking about circularity. Do check it out.

.

**Sam Barnett**23 minutes ago

@Rebecca McLean love that! If waste exists, itsstill not right, so keep trying = innovation

.



**John Maclennan**22 minutes ago

@Chris Hanlon the opposite of Goodwill on theB/s? Quite like that idea

.

**June Graham**22 minutes ago

Our future is circular and a doughnut - would be great to have lots of Scottish doughnut examples of delivery in action in a year from now - calls for collaboration - <https://www.scottishpower.com/news/pages/wwf_scotland_and_scottishpowers_cop26_climate_collaboration_challenge.aspx>

.



**Krista MacDonald**22 minutes ago

So true @Peter Lacy Here at Cullen we havedevised our own set of Circular principles -<https://www.cullen.co.uk/packaging-as-part-of-the-circular-economy-part-2/> - to encompass both our zero waste manufacturing process and the ways in which our plastic free packaging products can help our customers make their supply chain more circular. Collaboration is key!

.



**Martin Valenti**22 minutes ago

Shout out to Young Enterprise Scotland and the great work being driven by the great Geoff Leask and a great team

.

**Neil Johnson-Symington**22 minutes ago

@Iain Findlay - that sounds really interesting -please post a link if you can.

.



**Rebecca McLean**22 minutes ago

@sambarnett exactly and requires collaboration to share resources and get it right

.

**Sam Barnett**22 minutes ago

@Allan Sandilands completely agree, otherwiseits just another excuse.

.



**Sarah Deas**21 minutes ago

A community-led repair enterprise recently launched in Glasgow... see <https://remade.network/news/the-glasgow-launch/>. A practical way to promote a circular economy

.



**Geraldine Boylan**21 minutes ago

Zero Waste Scotland have a fantastic Business Support mechanism for Circular Economy and - consultancy support is aimed at SME's. Mabbett are one of these consultancies leading on CE support with ZWS. There is much more which could be done with partnerships with SME's/ supply chains/corporates who are looking to start piloting new thinking to operationalise new ideas.

.



**Rachael Wakefield**21 minutes ago

re extending operational lifetimes of large structures I often wonder if they are 'designed for inspection' at the drawing board-it seems NDT is a real challenge in many areas bc of accessibility, for example wind turbine blades; reflective, white featureless surfaces!

.

**Iain Findlay**20 minutes ago

@Neil-Johnson-Symington . No links yet, but I can provide photos to anyone who is interested. We'd love to find a visionary industrial partner to work on it with

.

**Ian Carr**20 minutes ago

More work is needed to find ways to help Companies hedge the risk involved in adopting new innovative technologies at scale, in order to speed up the transition to a more sustainable and circular economy

.

**Sam Barnett**20 minutes ago

Looks great event @June Graham I will share

.



**Wandrille De Thomassin**20 minutes ago

what was the name of the innovative company working on aeroponics that Peter mentioned?

.



**Scot Bryson**20 minutes ago

Hi Everyone, I run a circular project development firm targeting projects around the world integrating, renewable energy, food and vaccine factories to make climate action investable. Looking to develop a vaccine factory in Scotland & the UK. I'd love to connect and looking for investors for projects. <https://www.linkedin.com/in/scotbryson/>

.

**Vohn Mercer**19 minutes ago

Be good to have links to the companies mentioned throughout this talk please.

.



**Geraldine Boylan**19 minutes ago

Shockingly, about 30% of food is wasted. Should say that Zero Waste Scotland are also supporting SME and large businesses to reduce food waste. Great consultancy leading the effort for ZWS on this! Fab results for brewing/distilling, manufacturing and hospitality (v hard hit at the moment) businesses.

.



**Scot Bryson**19 minutes ago

<http://orbital.farm>

.



**Milan Radosavljevic**19 minutes ago

Governments can do a lot, no question, but private sector needs to be more proactive. There are fantastic examples of companies out there. Their achievements need to be relentlessly promoted and best practice shared.

.

**June Graham**19 minutes ago

Thanks Sam - sharing experience and experiments is key!

.



**Simon MacLardie**19 minutes ago

Glasgow should start the Doughnut economic model now to lead by example

.



**Moira Mackenzie**19 minutes ago

Creating the conditions for innovative collaboration is crucial. Interestingly Covid-19 has created a step-change in the appetite for digital solutions for health and wellbeing. How do we positively create the right conditions which push forward our zero carbon ambitions, without needing a pandemic to focus us?

.

**Iain Findlay**19 minutes ago

Great presentation

.



**Benedikte Ranum**19 minutes ago

If you're interested in @Peter Lacy 's excellentpoints re. food production/food waste/circulareconomy, check out Theme 5 from 1pm - e.g.@William Clark 's presentation!

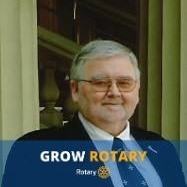
.



**Donald Bell**19 minutes ago

Thanks Peter

.



**Jimmy Johnston MBE**19 minutes ago

Intrigued to hear more about 'Chefs & reduction of waste in Kitchens - currently liaising with Chris the founder of the 'Culinary Ability Awards' who train chefs with disabilities...

.

**Gurjit Singh Lalli**19 minutes ago

thanks Peter , <https://steps.count-us-in.org/businesses/tedx/campaigns/tedxglasgow/>

.



**Jo O'Hara MICFor**19 minutes ago

Did anyone jot down the name of the robotic waste-sorting company?

.

**Ian Carr**19 minutes ago

Inspiring

.

**Harriet Poulter**18 minutes ago

@Iain Findlay Sounds super interesting - wehave recently launched the Circulars AcceleratorProgram (the next phase of the Circularsawards). Applications are open for innovatorslooking to drive circular impact and scale - seemore here <http://thecirculars.org/>

.

**Andrew Powell**18 minutes ago

Aerofarms

.



**Rachael Wakefield**18 minutes ago

Great presentation, very inspiring

.

**Iain Findlay**18 minutes ago

@ Harriet Poulter...will do

.

**Polly Purvis**18 minutes ago

Great to hear Peter mention the benefits of vertical farming company - don't forget Scotland based Intelligent Growth Solutions www.inteligentgrowthsolutions.com

.



**Simon MacLardie**18 minutes ago

Aerofarms?

.



**Stephen Milne**17 minutes ago

Love the examples of where technoogy is being applied

.

**Polly Purvis**17 minutes ago

fascinating presentation Peter !

.



**Mark Horler**17 minutes ago

<https://aerofarms.com/>

.



**Stephanie Kiel (Mabbett)**17 minutes ago

@Peter Lacy thank you! A great run-down onwhat circular economy is and requires -unfortunately still so many businesses out therethat have no idea what this is about...

.

**Andrew Powell**17 minutes ago

<https://aerofarms.com>

.



**Jackie Doyle**17 minutes ago

Great call to action from Peter for businesses to adopt the circular economy

.



**Richard Harrison**16 minutes ago

Terrific presentation @Peter Lacy

.

**naomi JOHNSON**16 minutes ago

I'm currently working on looking at social enterprise/social impact and circular economy.... - please get in touch if you're interested...

.



**Geraldine Boylan**16 minutes ago

@Krista MacDonald - great leadership fromCullen Packaging.

.

**Iain Findlay**16 minutes ago

Cullen Packaging?

.



**Lisa McConnell**16 minutes ago

Here are some examples of the circular economy in action in Glasgow including Cullen Packaging > <https://circularglasgow.com/get-inspired/>

.



**Lucy Stanfield**16 minutes ago

Alpkit is also a great example of repair and design to last <https://alpkit.com/>

.

**Josh Macphee**16 minutes ago

Absolutely agree with the vertical farming. In addition to IGS remember to check out the Scottish designed and built Plantimate flat packed, renewable energy powered hydroponic vertical farm system. www.plantimate.com

.

**David Smith**15 minutes ago

Anyone interested in product design should read Waste Makers by Vance Packard.

.



**Deryck Irving**15 minutes ago

Interesting to hear this about Patagonia's model - though Barbour have done this for decades

.



**Fiona Whyte**15 minutes ago

You don't have to visit a Patagonia store to have a repair - you can also send to them for repair. Alpkit in the UK are also adopting this model of repairing clothing - not just their own - from any manufacturer. We need to encourage this more than having people buy new outdoor gear every few years

.



**Hattie Ellis**15 minutes ago

Peter Lacy mentioned Fairphone - Such a great concept for a sustainable mobile phone! <https://www.fairphone.com/en/>

.

**Josh Macphee**14 minutes ago

<http://plantimate.com/>

.

**kerry Quinn**14 minutes ago

Its always been our business model, my focus is maxinmum life span over rplace ASAP

.



**Heather Rattray**13 minutes ago

Replying to some of the comments for ways in which to support industry in de-risking ideas and speeding up products to market - Interface and funding through Innovation Vouchers support links between industry and academia to support these areas <https://www.interface-online.org.uk/how-we-can-help/funding>

.

**Steve Skill**13 minutes ago

Renewable energy powered microalgae farms are even more productive than verticle hydroponic farms and especially effective at carbon capture. Well worth considering as part of the picture.

.

**Liz Grant**13 minutes ago

Petr Lacey has clarified my understanding of the Circular Economy

.



**Milan Radosavljevic**13 minutes ago

That's right @Peter Lacy , there are lots of goodexamples out there. Does anyone in Scotland(Innovation Centres?) monitor examples acrossScotland and promote them in a kind ofknowledge hub portal/website?

.



**Hattie Ellis**13 minutes ago

Lots of phones and electronics use conflict minerals - there could be a human cost to your smartphone <https://www.which.co.uk/news/2019/03/the-hidden-cost-of-your-smartphone/>

.



**Mark Horler**12 minutes ago

microalgae + vertical farms together!

.

**Iain Findlay**12 minutes ago

plus fungi

.

**John Higgs**12 minutes ago

The international climate commitment deals have to be set up BEFORE COP26

.



**Rebecca McLean**12 minutes ago

Shout out for www.plantimate.com, brilliant concept that can be used to tackle food poverty but also reduce food miles and provide locally grown produce sustainably

.



**Neil Kitching**11 minutes ago

The Hydro

.



**Mark Horler**11 minutes ago

Yes to fungi as well. High tech ecosystem farming is my preferred phrase for it.

.

**Chris Hanlon**11 minutes ago

Doing well by doing good.

.

**Doug Morwood (Insight Futures)**11 minutes ago

Hi Peter, how do you suggest we address this in a systemic way and what or who do you think provides the convening authority for transition or even transformation?

.



**Neil Kitching**11 minutes ago

The Hydro Nation Water Innovation Service can help Scottish based companies with circular economy water treatment - innovation and testing

.

**Willie Towers**10 minutes ago

Please check out research into vertical farming at James Hutton Institute in Dundee

.

**Sam Hart**10 minutes ago

@Milan Radosavljevic - Architecture and DesignScotland have a 'Materials Library' focused onsustainable, recyclable and circular constructionproducts...

.

**Sunil Varu**10 minutes ago

COP 26 can be the galvanizing force for us all.

.

**Clive Mitchell**10 minutes ago

From what I'm hearing consumers will need to pay a bit more and shareholders take a bit (a lot?) less...?

.

**Harriet Poulter**10 minutes ago

The Circular Economy Handbook: <https://www.palgrave.com/gb/book/9781349959679>

.



**KJ Gallagher**10 minutes ago

YES! Peter Lacy to the softpower opportunties for Scotland / Glasgow

.

**Polly Purvis**9 minutes ago

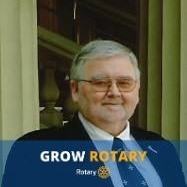
also potential to put vertical farming and insect production together for alternative protein forms <https://www.intelligentgrowthsolutions.com>

.

**david reid**9 minutes ago

Very important point here from @Peter Lacy -COP26 cannot be about looking inwardly inScotland but instead a chance for us to impactthe world externally, creating an economicupside through exporting our knowledge andproducts. We need to 'follow the tons'

.



**Jimmy Johnston MBE**8 minutes ago

years ago, my young engineers club worked on a toilet project - using handwash waste water for flushing - i.e. handwash water gathered - tripped door lock and flush at same time, so that handwash had to happen before leaving WC

.

**Mauricio Bermudez-Neubauer**8 minutes ago

@Clive Mitchell - we do not necessarily need topay more. And shareholders can still do as well.We need innovation on purposeful business. SeeColin Mayer's amazing take on this - Prosperity.

.

**Teresa Shutter**7 minutes ago

SRUC proudly supporting <https://www.theaquaponicsgarden.co.uk/>retrofitting indoor farming for fresh food production all year round.

.



**Milan Radosavljevic**7 minutes ago

Thanks @Sam Hart , that's a really greatresource!

.



**Mike Sinclair**7 minutes ago

Yvon Chouinard's book on founding and developing Patagonia along 'circular' principles is inspiring

.

**John Uttley**7 minutes ago

We need to co-opt the power of nature to provide services that otherwise require construction/materials, reducing our dependence on materials in the first place and providing multiple benefits to people and planet. Water management and supply of materials that embody carbon.

.

**Helen Ross**7 minutes ago

Thankyou

.



**Scot Bryson**6 minutes ago

Great Peter!

.

**Iain Findlay**6 minutes ago

Great job Peter

.

**David O'Neill**6 minutes ago

Thank you Peter!

.

**Joanna Allen**6 minutes ago

Thank you Pter

.

**Liz Grant**6 minutes ago

Great presentation

.



**Simon MacLardie**6 minutes ago

Brilliant

.

**Erik MacEachern**6 minutes ago

Well done Peter

.



**Krista MacDonald**6 minutes ago

Thank you @Peter Lacy

.

**Mark Wilkinson**6 minutes ago

Great session @Peter Lacy . Thank you!

.

**Pauline Reay**6 minutes ago

Brilliant Peter

.



**Geraldine Boylan**6 minutes ago

great talk, thanks Peter

.

**John Morrison**6 minutes ago

Fascinating presentation from Pater...thanks

.

**Angela MacLean**6 minutes ago

Thank you Peter.

.

**Sam Hart**6 minutes ago

Fantastic @Peter Lacy - really insightful andinspirational.

.

**John Redshaw**6 minutes ago

Great presentation Peter, thank you

.

**Norrie MacPhail**6 minutes ago

The majority of us will be wearing shoes, of which the soles will take 1,000 years to bio-degrade. Now there's a challenge

.

**Colin Ross**5 minutes ago

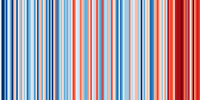
Informative, insightful- brilliant. Thankyou

.

**John Wincott**5 minutes ago

We can hear you

.



**Rebecca Wade**5 minutes ago

we can hear both of you!

.

**Lolita Gyenes**5 minutes ago

I van gear you Susan

.



**David Charles**5 minutes ago

We can hear both of you

.

**Sunil Varu**5 minutes ago

Inspiring and enlightening presentation peter

.



**Lynda Nicolson**5 minutes ago

Well it was going far too smoothly wasn't it :)

.

**Eileen Valenti**5 minutes ago

we can hear you martin

.

**Murtada Mohamed**4 minutes ago

thanx everyone there

.

**James Potter**4 minutes ago

Good point Martin. You need to be Willing AND Able

.

**John Redshaw**2 minutes ago

Willing and able and compassionately driven!

.

**Ian Findlay**2 minutes ago

Thanks Peter. Really liked the Rosetta Stone analogy for collaboration. As with most big challenges, we'll achieve so much more by working together and trusting each other.

.



**Pantea Cameron**4 minutes ago

Would like to get involved with/work in the circular economy sector. I'm aware of Zero Waste Scotland. Which other businesses are driving the concept of circular economy in the Central Belt in Scotland?

.



**David Payne**4 minutes ago

@Susan Aitken how about transport to Glasgow. What power do councils have in pressing for cheaper rail faires

.

**Gordon Kennedy**4 minutes ago

I think most people are willing what is important is that people like Peter and the obvious expertise on this chat help to develop the able bit of the equation

.

**Iain Findlay**3 minutes ago

many of these people in poverty are there because of the dysfunctional economic system

.



**Gurjit Singh**3 minutes ago

How will the city ensure that Glasgow leaves an impression on participants in a COP26 that may be very virtual in its delivery given the ongoing pandemic?

.



**John Lamond**3 minutes ago

@PanteaCameron Forth Environment Link in Stirling are active in that field.

.

**Justin Keeble**3 minutes ago

www.count-us-in.org useful reference point on the 16 actions that individual citizens can take to play their own role in climate action

.

**Angela Daly**3 minutes ago

good and cheap public transport and sustainable communities are needed in Glasgow. we need to de-centre the car-dominant city design given only 50% of residents has a car. I live in Glasgow and I don't have a car

.

**Heather Jones**3 minutes ago

Hear from a Zero Waste Scotland expert speak about the future of food at 1415-1430 on stage 5 this afternoon.

.

**kerry Quinn**3 minutes ago

@susan i completly agree, we have a period poverty project that focus specifically on dealing with this issue, how can we end period poverty with single use items?

.



**Pantea Cameron**2 minutes ago

@John Lamond thank you

.



**Simon MacLardie**2 minutes ago

XR is always non violent :)

.

**Gurjit Singh Lalli**2 minutes ago

thanks @Justin Keeble <https://steps.count-us-in.org/businesses/tedx/campaigns/tedxglasgow/>

.

**David O'Neill**a minute ago

I've approched the city councils Circular Economy group and got no reaponse, even though we are holding an event that will be of global interest, will listen for the phone ringing now?

.

**Neil Johnson-Symington**a minute ago

Question for Susan: For COP26 can we as a city at least temporarily provide alternatives to the many things which contribute to Carbon Emissions? As am example, every single shop prints out receipts on THERMAL PAPER which produces carbon emissions. This is one TINY thing which causes MASSIVE harm. Let's encourage the COP26 Campus area to produce sustainable alternatives. All rail tickets are printed on thermal paper too.

.



**John Lamond**a minute ago

Q for Susan Aitken. the plug was pulled on the rail link to Glasgow Airport. You NEED to create a carbon neutral transport link between the airport & the city

.

**Pauline Silverman**a few seconds ago

@Iain Findlay fond Glasgow protesting memoriesfrom 30 years ago!

.



**Lucy Stanfield**a few seconds ago

Thanks for the 2050 Climate Group shout out!

.



**Daniel Thomas**a few seconds ago

@John Lamond: There is a good bus link and we don't need more flights anyway.

.



**Geraldine Boylan**a few seconds ago

@kerry Quinn see this amazing project which werecently assisted through Zero Waste ScotlandCircular Economy Support -<https://www.linkedin.com/in/alisonwood-lilypads/> Alison is based in Edinburgh and has brought the issues of girls in period poverty in Africa both home to Scotland and supporting the model in Africa too. Look her up. Her re-usable products have just started to market.