



Considering the notion of responsibility and the relative roles businesses, government and society can play in assuming responsibility for a more sustainable future.

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RESEARCH PROGRAM ON
Climate Change,
Agriculture and
Food Security



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Introduction

The rise in population, increase in global development and use of resources which is linked with environmental impacts. It seems apparent that businesses, government and society as usual is not an option for a sustainable future.

Today we face opportunities and challenges which are not easy to analyse and are critical in nature than ever - where failure as a consequence are beyond the realm of reason, likewise the decision we take impact are felt almost immediately across the planet.

Evolution of the concept and moral responsibility with regards to sustainable development since the 70s centres around:

- Humans moral responsibilities with regards to physical environment (predominantly the ecosystems),
- Wealthy Affluent Societies responsibilities with regards to poorer societies.
- Sustainable Economy moral responsibilities with regards to systems that encourages minimising of consumption, more green production.

These types of changes require a fundamental shift in the purpose of business, government and society almost every aspect of how it is conducted. My argument in this essay is considering the notion of responsibility and the relative roles of businesses, government and society in general in assuming responsibility for a more sustainable future. It involves examination how it interact with regards to the interconnection of ecological, economic and social factors in the moral concerning sustainable development. Varies from business growth, poverty alleviation and the paradigm shift in society on emphasis and approach.

The Historical Concept of Sustainable Development.

To make sense and understand the principle of responsibility of sustainable development, it would be appropriate to build back on historical works and conduct some further research.

Shed light on economic development and the aspect of sustainable development, its earlier roots of the concept of development, growth and progress. Human progression, meant forward thinking in its quest in terms of material wealth, science and technology.

Modernity in Western Society made important input on evolution of the idea of great progress in which scholars such as Marx, Kant and spencer believed played positive view on 'law of progression' which exist. The process takes a step towards upward trend in a golden age on earth. Christian belief on progression was divine direction to a land of promise beyond grave. Technology advancement and science advancement made it possible for ideal better life.

The idea of the progress in the process of evolution has been analysed by authors Nisbet, 1980; McClaughlin & Mittelstrass, 1997.

Their argument was that, interaction between science and human-environment provided humankind with comprehensive knowledge with control over nature. This knowledge and control entitled humankind to domesticate the planet and exploits earth's resources for human benefits. The notion achieved common ground making it acceptable and necessary to exploits earth's natural resources by humans in a quest to increase economic production (Worster, 1993; 178-180). The exploitation gave rise to negative consequences on planets (earth's) natural resources on an unparalleled scale with everlasting damage on physical environment. Similarly widening the gap between rich and poor societies. On moral principle, philanthropist enthusiast groups and persons asked the pressing question how people in developed economy (world), with constant increase living standards, would be at peace with their conscience when arise in the number of poor people in the developing economy (world) remained in depressed living conditions.

Theories of Development

These theories aim to understand the dynamic nature of the world system explaining the divide between the poor in the south and rich on the north pole.

Theory of Modernisation argue the need that countries who were developing would do so by taking lessons from developed countries in a bid to follow free enterprise and market economy. By making markets readily available, privatising economies to an extent making it possible for unrestricted growth for international capital. Regions that are less developed would in the the long run share prosperity increase and reduction in poverty will be achieved. (Peet, R. 1999).

In contrary with modernisation theory, dependency theory argue the need that developed countries (economy) 'core' dominance was built on exploiting the less developed countries (economy) 'periphery' with emphasis on taking control of their resources. The only way emerging countries (economy) could escape from poverty was to break away from bond of Capitalist and head in the direction of Socialist style economy. (Wallerstein, 1974 and 2011).

Crisis of ecosystems and Saving the Environment

The 1970s and 1980s, saw the ideas surrounding sustainability, progress, development and growth. Scholars argue the need of high hopes and continual improvement towards human conditions were misinformed, because humans and environmental issues were not taken into consideration.

Revolution in technology and scientific advancement seems unstoppable, human societies across the planet continue to experienced mix data in progress and decline in terms of human welfare and material needs. Two world war destruction, exploitation of colonial masters on its colonies plundering their earth's 'biosphere'. As a result of uneven progress the UN Assembly gave direction by structuring the Brundtland Commision to look into activities of both the developed and developing societies and the challenges the face, seeking to gain common ground to deal with these sort of challenges (UN General Assembly, 1983).

Leading studies have also linked sustainable development to alleviation of poverty.

Local people in villages and towns were solemn forced to caused damage to their environment in a bid for survival leaving them with no option.

See case study 2 on Congo.

Cutting down on poverty for the seek of ecological and social reason. (World Conservation Strategy, 1980 and Caring for the Earth, 1991).

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Writers including Paul Ehrlich's in his (1968) publication 'The population bomb' and Rachel Carson's book 'Silent Spring' kick start, the disclosure of the green movement aware of the damage caused by science and technology on the environment and crisis in the ecosystems brought about a new perspective on development. People around the world and the media raised concern about issues on ecosystem crisis, which in turn as a consequences will result in destroying humans and earth's existence to sustain life which threatens their own survival.

Today concerns are still voiced over development such as: fracking (Injection of high pressure liquid into rocks to extract gas), Animal testing and use of their fur in clothing, industrial emissions (posing risk to the air wave), modern day slavery (Child labour, hideous working conditions, low pay jobs), deforestation, (crude) oil pollution (caused by climatic condition e.g. eroding of sedimentary rocks) vehicle emissions etc. Recently level of greenhouse gas have reached remarkable high with carbon dioxide concentration hitting 405.5 parts per million (ppm) high. Previous years stood at 400.1(ppm) -2015 figure and 403.3(ppm) in 2016. Scientist has warned the rise deplete substance in the ozone layer know as CFC-11 if not stopped drive change in climate will give rise to sea level, oceans water turn acidic and causing irreversible destruction with extreme weather conditions. [Metro Newspaper, Friday, November 23,P.33].

The concept of moral responsibilities and the role Governance, Corporation and Society have to play for a more hopeful future.

The concept of moral responsibilities demands knowledge (information, facts, and acquisition of skills and life experience from education) of moral behavior which is judged through our actions a technique called "human inquiry." This techniques results in the beliefs that are widely accepted by every single person and people in communities.

Philosophers distinguish two part connection: Descriptive inquiry and 'prescriptive inquiry.

Prescriptive inquiry is the process of perception which involves "ought." Moral responsible behaviour that is deemed Positive doing things that are "good" in a nutshell we have to do kind things. Behaviours are deemed "bad" and consequently we shouldn't do such things. In summary, our moral responsibilities in earnest asked you and and others to do the right things in life and not bad things that might cause harm; and in a nutshell, might have both duties of positivity and negativity. Furthermore, there is a praise and blame game on both sides. Praiseworthy for doing good deeds and blameworthy for doing bad deeds. History has it that, human morality comprises of rules of behaviours. In fact, we often praise individuals, organisation or communities that obey the rules and put a blame on whoever doesn't follow the rules.

One would agree with me that as humans we make judgment (morally) about certain behavioural act about say organisations, communities and persons character. This taken into consideration by examining our mental ability such as: intent with reason behind it, what motivat(ion)ed such behaviour, and our conscience towards and why. Examining what is perceived as good person and good behavior.

Circumstances might lead us to prescribe different sort of behaviours. We may categorised them into four different kinds of behavior meaning the use of moral responsible behavior ''good'' 'doing wrong or doing right', legal responsible behavior: 'Being or keeping to the law(ful) or unlawful', conventional responsible behavior 'having good or bad manners', prudential behavior: 'being practical or impractical', these behaviours comes with rules of conduct to keep them in a structural framework.

Our emotions is also deeply influenced our behaviour in the sense that if a close relative or friend was murdered or died as a result of a consequence by some persons, organisation.

There is capital punishment attached. Our moral imperfections, might want us to retaliate by one ownself. I would argue that as humans we attempt to retaliate for suffering imposed by other. There is a truth element that as human we may take another humans life to prove purpose and intentions. Now how we justify these behaviours and acts if there are good or not is the questions.

Descriptive inquiry which aims at predicting, explaining, how are behaviour is control and how we control our behavior. These is a true or false theories. Therefore, the ethics involves gathering of data which have links to our moral behavior and the progress of our moral beliefs. The process of gathering data involves economics, biological, sociological, psychological, and political inquiry. (Ronald F. White)

See case studies

A CSR report give society, shareholders, it customers and employees, an in depth brief account about responsible development and strategies tailored by companies to meet CSR goals for social, environmental, and economic issues. Although it excellence are complicated and varies in terms of particular standard and stat, they usually have a number of universal proposition:

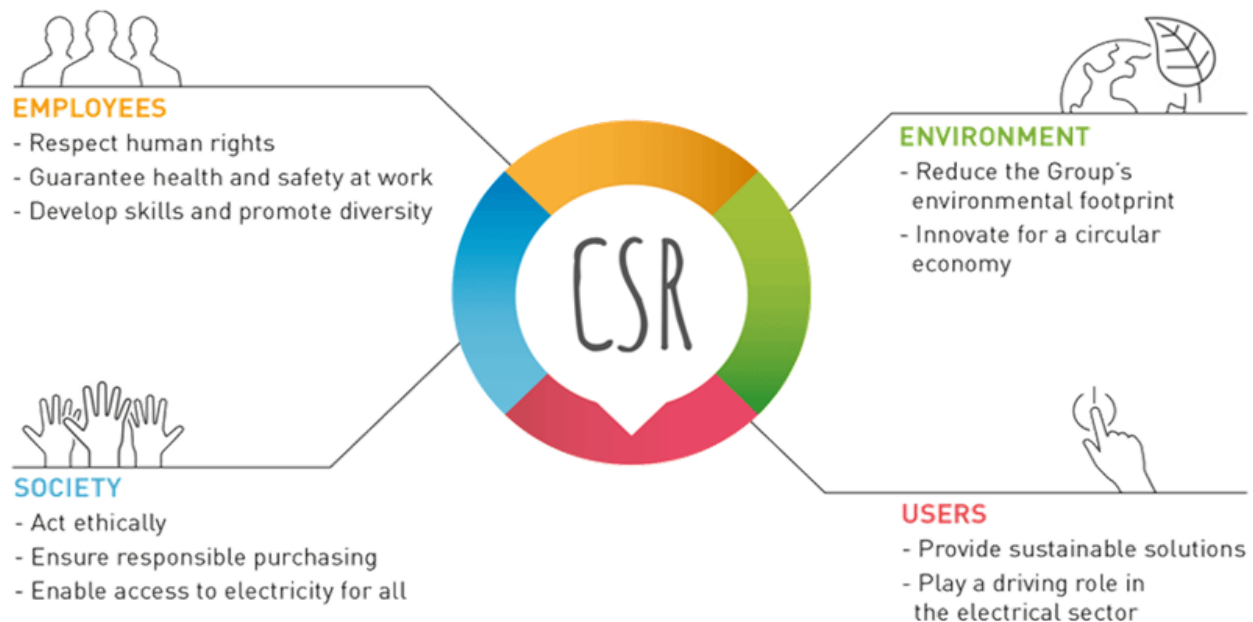
- Transparency when pre-planning non-financial activity;
- Existence of an integrated development strategy, which includes economic, social, and environmental components;
- Carefully taking into account stakeholders interest and opinions, encouraging dialogue, and giving work outcome to them;
- Incorporate social responsibility into private enterprise. By conforming with international standard, governments and corporation can strengthen their acceptability and trustworthiness. Social responsibility and accountability at the height of international standard includes:

Corporate industry code of practice SA-8000 'Social Accountability' which encourages universal human rights of workers and outline measures for social compliance.¹ [Social Accountability International]

These corporate standards are built on morality of Child Right under United Nations Convention, Human Rights (Universal) manifesto, Agreement (Convention) on international and national labour laws safeguarding the rights of workers deployed on human right standards (Value and norms) e.g health and safety in the workplace.

Discrimination act against women removing all form of discrimination, The fourteenth amendment in the convention permits workers who within an organisation's capacity can influence who process product or give services in an organisation, these as such include: Subcontractors, suppliers (supply chain), employee.² [official Accountability 8000 report ,Social Accountability International, 2008, PDF file]

There is also standards on environmental protection, regulation on natural resources management protection laws and regular improvement with ISO-14000 series of standards. There are standards also aim at undermining organisation's dissentient activities on environment so to abide by the legal framework and continual improvement on previous standards as such Eco-Management.³ European Commission, Key element of EMAS http://ec.europa.eu/environment/emas/about/summary_en.htm



¹<http://sa-intl.org>

²Official Accountability 8000 report, Social Accountability International, 2008, PDF File.

³http://ec.europa.eu/environment/emas/about/summary_en.htm

Opportunities and Challenges

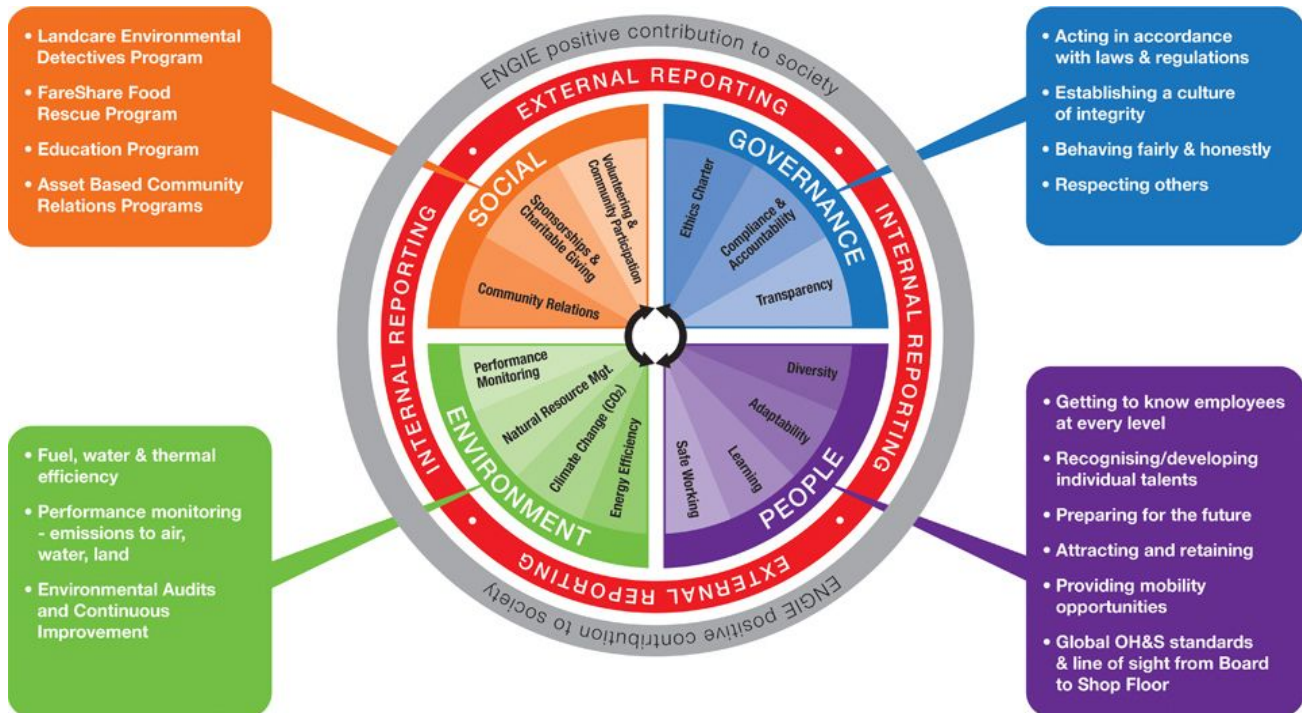


Figure 2: Shows you how We are all in together in a cycle.

Although problems the world faces today are enormous, in practice only few governments and business organisation have the means and power to solve them. The challenges are interconnected and complex in nature. As we seek to turn back climate change, alleviation of poverty, saving the environment, we should also show care in terms of communities support, universal human rights, fair trading, a few to mention. In an approach to act more moral responsibly and ethically considering others happiness and mental well-being.

These changes require a basic switch in the purpose of governance, corporation and societal concept on every aspect of how it is carried out. Maybe going green is not enough in improving things and doing things differently we should think more blue. A new business of blue sky, Edward Goldsmith's 'A blueprint for survival' purpose of creating value, and reconsidering perceptions of value.

The assertion of redesigning its purpose about resources we (there) use, reducing, creating reusables, recycling aiming to limit damage to the environment. Planting more trees and resources redefined with effect to combat climate change. Transparency in the supply change.

As increase in societal demand keeps growing, to meet those demand capacity decreases into a funnel of narrower portion. To initiate change of moral responsibility and ethical behaviour opens the funnel walls for businesses, government to strive to make positive impact on people and bring about solutions to world environmental problems.

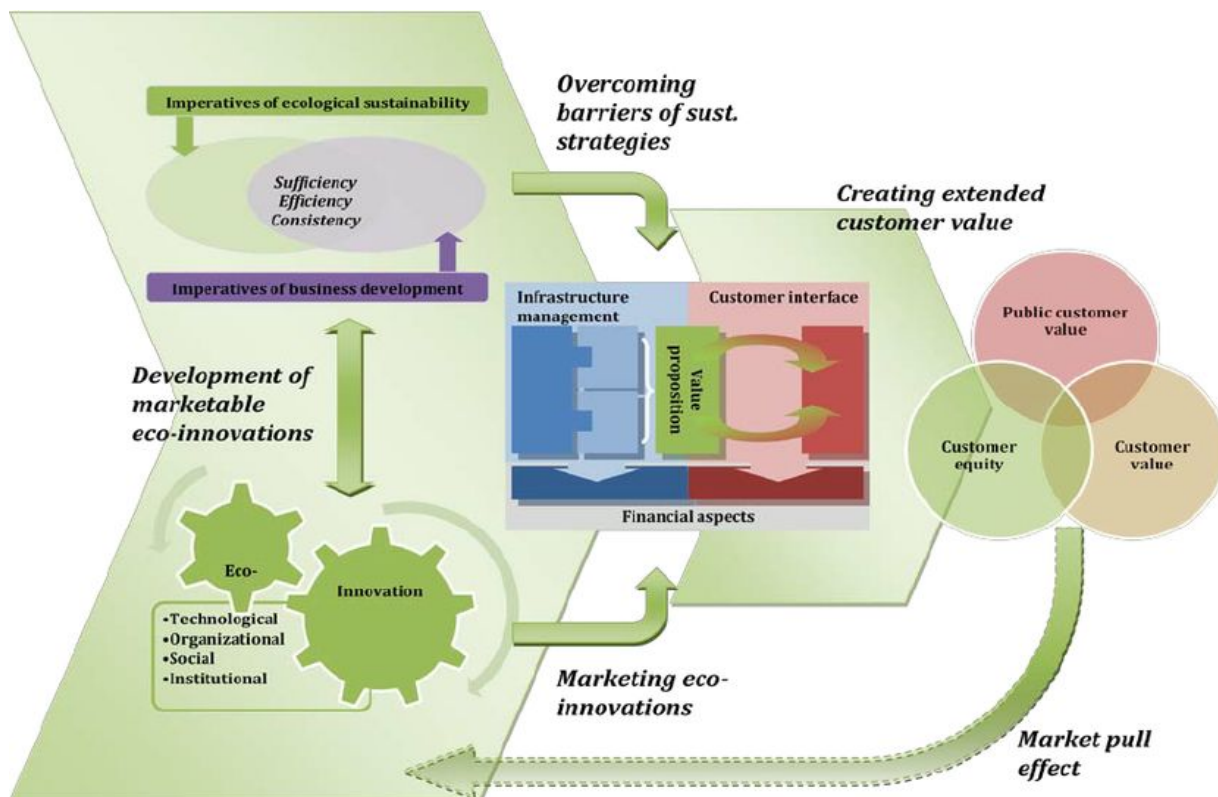


Figure: Conceptual framework Eco-Innovation business model.

Natural resources management.

Resource management involves a blueprint strategies to sustain resources (renewable and non-renewable) for current and future usage. By taking into account how best to utilize specific resources, how to extend its productivity, and connection towards environmental protection.

A good example of managing resources include government and organisations preserving forestries, fisheries, wildlife conservation, water etc from extinction poachers and global warming.

Government could start by protecting rain forest and agriculture land by implementing policies, laws and enforcing them. Putting an end to land clearing which can contaminate water, degrade biodiversity of ecosystems which is complex in nature. **(See case study 2 & 3.)**

It is important to plan and map out resources needed at any given time in order to conserve valuable natural resources. Cautious and fair distribution of revenue will empower communities and their local see return on production of their natural resources.

This process intercept conflicts and strengthen legislation into poverty reduction scheme.

Government prevention of illegitimate financial flow or cross border trade and workers making sure multinational corporation pay their fair share of taxes to prevent tax evasion and ensuring financial institutions practice are morally right. **(See case study 1,2 & 3.)**

Community involvement and civil society tackling and putting an end to the idea of development of their natural resources with legislative and legal binding framework agreed upon and enforced by rule of law.

<https://www.encyclopedia.com/environment/energy-government-and-defense-magazines/natural-resource-management>

Groupings	Technological			Social			Organisational	
	Archetypes							
Examples	Maximise material and energy efficiency	Create value from waste	Substitute with renewables and natural processes	Deliver functionality rather than ownership	Adopt a stewardship role	Encourage sufficiency	Repurpose for society/ environment	Develop scale up solutions
	Low carbon manufacturing/ solutions Lean manufacturing Additive manufacturing De-materialisation (of products/ packaging) Increased functionality (to reduce total number of products required)	Circular economy, closed loop Cradle-2-Cradle Industrial symbiosis Reuse, recycle, re-manufacture Take back management Use excess capacity Sharing assets (shared ownership and collaborative consumption) Extended producer responsibility	Move from non-renewable to renewable energy sources Solar and wind-power based energy innovations Zero emissions initiative Blue Economy Biomimicry The Natural Step Slow manufacturing Green chemistry	Product-oriented PSS - maintenance, extended warrantee Use oriented PSS- Rental, lease, shared Result-oriented PSS- Pay per use Private Finance Initiative (PFI) Design, Build, Finance, Operate (DBFO) Chemical Management Services (CMS)	Biodiversity protection Consumer care - promote consumer health and well-being Ethical trade (fair trade) Choice editing by retailers Radical transparency about environmental/ societal impacts Resource stewardship	Consumer Education (models); communication and awareness Demand management (including cap & trade) Slow fashion Product longevity Premium branding/ limited availability Frugal business Responsible product distribution/ promotion	Not for profit Hybrid businesses, Social enterprise (for profit) Alternative ownership: cooperative, mutual, (farmers) collectives Social and biodiversity regeneration initiatives ('net positive') Base of pyramid solutions Localisation Home based, flexible working	Collaborative approaches (sourcing, production, lobbying) Incubators and Entrepreneur support models Licensing, Franchising Open innovation (platforms) Crowd sourcing/ funding "Patient / slow capital" collaborations

Business model are tools to help understand how companies conduct its business to help understand how companies conduct its business and can be used to add value and analysis management style, performance, assessment and innovation (Osterwalder and Pigneur, 2005).

Quality management is key in determining business success understand their capabilities, ability to acquire resources and utilise value proposition to customers and environment.

A culture of creativity with great product and services with positive influence on the community and environment. **See case study 3.** Going Green and Renewable Energy.

Governments, organisations, employers and workers at global level should address challenges of Sustainable issue in their supply chains on international, local and regional buyer's under UN Development goal 8.

Committed to examine the Sustainable production in connection with with Social and Environmental commitments under UN Sustainable goal.

Giving feedback on Sustainable products, brand and programme implementation ensuring workers right protection and promoting safe and secure working condition for workers. **See case study 2, 3 & 4.**

Better work programme in businesses and organisation factors around the world providing services which include:- Work training, assessment, measuring their progress, achievement and success in a management information system. Innovative better working condition in partnership with international labour organisation (ILO).

Identify pragmatic solutions that brings change in a positive way to industry with emphasis on building social dialogue. By Committing to 'Sustainable production and consumption under UN Sustainable Development goal **12**. By organising stakeholders meetings offering manufacturers, trade union association and government representatives a chance to improve it practice and policies in the global supply chain with buyers.

Improve workplace health and safety (migrant and lone workers), working environment, workers protection; standards on sites information on all workers moral responsibilities and their level of experience with right to work. Making sure workers accredits to work in risks free work environments under health and safety law with emphasis on hazardous chemical handling. Employers duty to consult health and safety executive.⁴

Develop plans to help employees with their work life balance e.g. Supporting parent and carers during ill health and bereavement, these supportive service help in striking balance in employee's mental wellbeing under UN sustainable development goal on good health and wellbeing **3**. It can also be achieved through childcare provision for workers with children with flexible working conditions.

Government should make mandatory to have mental health first aider at work by so doing committing to UN sustainable health and wellbeing 3. This would have economic and human benefits.

Commit to UN sustainable development goal **5** Gender equality, giving equal opportunities to both male and female workers supporting gender pay for both male and female workers supporting gender pay as a mandatory requirement. **See case study 4.**

4 Health and Safety Executive www.hse.gov.uk/workers

Tackling Poverty

By creating well paid high skill jobs in line with today's technology market by investing more in infrastructure: reinvigorate neighbourhoods, community involvement, rebuilding close down building more investment in renewable energy commit to UN Sustainable Development goal **10** reduce inequality and Sustainable development goal **13** action on climate change **See case study 3** which will help tackle **case study 5**.

Support equality pay making sure men and women earn same as stated and make sure people from ethnic background who are qualified in similar job role are given opportunities make them feel welcome safe and secure.

Raise wage threshold, increase wages help keep families afloat during economic uncertainty e.g. rise in inflation or (price).

Economic program to increase tax credit income for the childless worker and invest in early child education with high standard childcare. Actively Involve people in the local communities when making decisions that affect their lives and life chances.

Criminal justice system rehabilitation programme. New legislation with policies that assist people that have done time in jail to safely re-enter society with adequate support to gain employment, raised the number of higher skill training to enable them gain jobs and be useful citizen. This can be achieved through corporate citizenship with social responsibility of business toward society and corporate governance to create higher living standards and better quality of life for local communities commit to UN Sustainable Development goal **16** peace, justice and strong institution. Solve **case study 5**.

Asset-based community development

The role of corporate citizenship on this areas of Asset-based development facilitate the importance of valuing:- Community knowledge, local culture, community resources, skills and processes. Make certain that even distribution of economic and social benefits from tourism for the host community, include the improvement of opportunities, income generation and services available to the poor.

First approach to this sort of development focuses on the need to analyse community's needs.

This gives scope on perspective individual needs centred around drug taker (users), unemployed, unskilled individuals. Furthermore look into families who are functional (dysfunctional), violent, etc. Community's can be tag toxic meaning sky high unemployed areas, isolated, not safe, unintelligible.

With all these complex problems, it is expected for good leadership on services and funding by organisations. True leadership in these area should strengthened community wellbeing through rigorous social structures, with right opportunity that benefit access to resources and amenities and health care and especially aim to ensure no exploitation of the local community. **Commit to UN Sustainable goal on cities and communities 11. See case study 5**

This Social way of building relationships within community 'assets' is an important tool to administer idea of social capital which its practical importance is placed on social networking by drawing up plans to bringing together other community assets.

Building communities relationships enable people, organisation and governments to attain resources such as energy, informal network that might be concealed. (Mathie & Cunningham, 2003).

Community Relations

Build community relationship as part of business marketing plan, they gain more support by doing so.

Improve relations by employing local population where they operate and engaging young people in their long term goal with scholarship and sponsorship programmes. Encourage community culture by making building facilities that encourage education training and development e.g. Local Library, leisure centres (gyms), community centre's (market place) etc. Encourage it community citizens to attend to this places this would tackle **case study 5**.

Support urban projects (renewal) including sponsoring local events as (sports), crime prevention, restoration work and programmes that add value to the environment e.g. (Beautification Urban areas, planting flowers, recycling and sanitation programme).

Support local charities, by so doing they establish and preserve valuable relationship with communities gaining long term community loyalty and support. This sort of behaviour will lead it citizens to prescribe different of **praiseworthy** and **prudential** accepting and working alongside **Legal** framework of society integration.

Crisis Management

Disaster waiting to happen is always around us, in order to effectively manage before it happens; company's, stakeholders and governments should be able to deal with threats before they happen and negatively impact adverse consequence on operation and the environment e.g. terrorist attack, fire, death, natural disaster such as flood, earthquake etc. These can lead to slow down in business sales, customers and cause damage to the environment.

This would involve future planning in the events that it happens could be managed in a positive way. By enforcing concrete guidelines on compliances among supply chain, external contractors and employees.⁶ Intelligent sharing of information and data can help in these sort of areas as it covers diverse perspective on activity within governments and organisation which include: Sharing of information, support on finance and other technicality on training and dialogue building, cooperation on governments, organisation operations etc.

The U.N. Human Rights Committee has reiterated, it will make amendment on the intelligence sharing practices of certain member States, so their legal framework and regulations such sharing must be in full conformity with obligations under the agreement.

Energy Efficiency

Company goal to reduce the amount of energy it uses to produce products and provide services e.g. using less energy on heating and cooling to maintain energy efficiency. Premises (home) insulation and upgrading to smart metres and low voltage transformers which offers the end user a significant improvement on energy conservation and payload. Other options such as solar panels can be installed in homes or implement plans to build massive solar farms in developing economies with natural resources of the sun to generate clean and renewable sustainable energy

for schools, homes, businesses and other government building who maybe heavy on their energy consumption.

Energy companies and the government encourage change in home lifestyle on their energy usage e.g. offering homes with LED bulb which reduce energy consumption and building more eco-homes which is zero-energy house and benefit with good quality thermal and acoustic energy performance with limited impact to the environment by committing to UN Sustainable Development goal 7 affordable and clean energy. **See study 6**

Respect and retain the physical environment, minimize pollution and waste and support the conservation of natural habitats and wildlife.⁷
See case study 3.

Environmental reporting

Companies should be asked for their environmental policies and reports during the year period. They should provide a clear and precise statements Initially, on responding at all about 'lessening impacts'. Companies these days give adequate information with detailed reports focusing on accurate impacts and goals setting in order to reduce them.

Corporations and governments of all shape and sizes need to a forward thinking approach, in reducing the effects on the environmental covering all areas of their dealings and business trading.

We believe that other organisations would need to verify other companies and governments regular reports and targets. We may let companies off the hook if they are small enterprise, small enough with turnover less than a million in pounds or dollars. They should be able to produce environmental report within 2 years which is current on their websites, on written request, these should contain their future quantified targets, disclosure of their carbon footprint and other impact that is critical and good for the environment. For the years to come they all need to examine any type of success, critical efforts need to be put in place to turn back our pages of destruction of the natural world. Governments have a part to play, so as local communities (local councils), businesses (shops, pubs etc) and us as people who make and purchase products.

⁶ Crisis management <https://www.investopedia.com/terms/c/crisis.management.asp>

⁷ <https://www.rockwoolgroup.com/campaigns/rockzero>

Actual change must first come from within us as citizens and consumers have to act more ethically towards these product causing damage to the environment e.g. if we put an end to buying items with animal testing or packaged with plastics will hamper people, companies supplying them. We need to press against as the awareness is there. Corporate citizenship and responsibility is much needed in these area i.e how companies manage and measures impacts on environmental issues and similar topics. Commit to UN Sustainable Development goal life on land **15**, life below water **14**, responsible production and consumption **12** and on sustainable cities and communities **11**. **See case study 1 & 3** Going green.

Climate Change.

Change in Climate is no longer hypothetical. We live with it now. This changes were caused by us and it is in our interest to do something about it. We as peoples and individuals all need to play our part for the environment. Different sectors impact heavily to climate change.

The airline industry, industries such as textile, crude oil industries are major contributors. Companies which makes products that have a significant impact to change in climate than other sectors products (As such automobile with polluting cars) will face criticism and sectors making deceptive claims about the change in climate include: financial service (Banking), Affirmative policy addressing these issues e.g **share economy** can help shape the way businesses and government carry out their business to reduce the change in climate.

Car sharing, use of bicycles and sharing industrial production and finding alternative to eco-production. Corporate governance in relation to leadership quality and company's structure and its reputation is needed in these area by committing to UN Sustainable Development goal on climate change to save the environment **13** for a more hopeful future. **See case study 3 & 6.**

Sustainable Diet

Promote healthy eating encourages sustainable production and consumption of staple foods which include grains, potatoes, yam, cassava, rice and pasta for carbohydrate. These foods has relatively low greenhouse gas (GHG) exception of rice which requires irrigation, and generate significant levels of methane. Other food which are proteinous include meat, fish and legumes (wholegrain). Although there are research that suggest otherwise that some food are linked to health related problems and the environment such as meat link with heart problems which carries high GHG carbon footprint with animals such as cows, pigs etc.

However, issues arise with the use of pesticide, fertilisers, and production with the use of irrigation causes damage to variety of the ecosystems. Research found Fish carries heavy environmental costs as polluting trawlers has to be used to fetch them.

Academic research notify the risks of meat consumption to society need to address as it contribute environmental change with high level of GHG which deplete freshwater. (Pelletier and Tyedmers 2010).

See case study 6

Eating well and finding the right substitutes helps the production process and our mental wellbeing, our brains needs nutrition of mix nutrients to keep us healthy with our daily function. A diet which have the right qualities is good for our mental health and physical health.

Healthy diet should comprise of:



- Plenty of variety of vegetables and fruits. **Rich vitamin**



- Legumes and wholegrain (maize, wheat, bread, beans. etc)



- Products from dairy **Rich in Calcium Vitamins A,B12.**



- Mix seeds and nuts **High in fiber**



- Drink plenty of water

A large number of stakeholders now take part on matters relating to sustainable diets in the hope that are nutritionally sufficient and acceptable diet, in a bid to save the environment and its ecosystems. Technology improvements is believed not to decrease GHG emissions, so eating sensibly is advisable cutting down or moderate consumption on meat, sugaring and fattening fat such as confectionery food (crisps, chocolates, sweets etc) and consuming less alcohol.

Try finding out the supply chain of your food produce to keep ethical trading on fair trade products. Even though sugary food has less GHG emissions and impact on the environment. (Foley et al 2011; Ray et al 2013).

Technology

Technology is important in shaping the world and addressing business propositions to give good services, make goods (production) and transform global problems that is intertwined with environment make it more friendlier. Sustainable leaders connecting sustainability into their corporate strategy. But boast in technology and high-tech devices has led many to live isolated lifestyle with nearly all work done over the internet has led to some of the traditional high street jobs and shops closure. Although technology has made lives more convenient but still take away human face-to-face conversations and interaction.

Economies such as Richard Wolff economics with his supply chain theories noted expansion in supply chain has already taken place. Subsequent development with automation, operation of robotics tend to erode expanding workforce of industries. Today political predominance was not much about trade but the challenges to keep their citizens at work. One would understand technology out date old fashion jobs. Corporate strategies need to address these issues e.g. imposing more levies on online sales sites or companies and cut down on self check-in and check-outs allowing more human interactions which help with mental

health benefits. It will also help combat fraud and malicious use of people identity. **See case study 6.**

Conclusion

Corporate governance, corporate social responsibilities and corporate citizenship ultimately defines how society, business and people should conduct their business. Corporate governance who's stewardship is about how productive corporations and organisations aim at creating fairness between economics and social goals. CSR which measures how responsible business are towards society and their sustainable goal.

Businesses, governments and people ultimately need to work with these strategies in order to save the planet, environment adding value to people lives and society and therefore willing take action now with appropriate plan that meets seasonal trend, setting internal goals and milestones. Target audience to build relationship, but with moral responsibilities as a business.

Dialogue is quite important in establishing and maintaining connections. A willingness to share perspectives on both sides, being open to new ideas by taking joint responsibilities for a better outcome. Resource Identification to be used both internally and external that will enable them to belong to a society embracing change in a positive way and develop. Is about 'singing a good song from a hymn book' like the Dental Surgeon H.R.M Prof. Nta Elijah Henshaw puts it. So a new sort of growth that 'pride' itself by committing to a better way of life by managing business and society with inspired purpose and transparency. Weighing up risk and benefits when designing and providing opportunities with cutting edge technology.

Case Study: 1. Gucci 2018 plan to stop the use of animal on its products

Britain Fox and mink are animal which products amount popular worn in the industry worth almost £22bn worldwide. Farming for fur was banned in 2000 in the UK but import of the products isn't illegal. The fashion company in a statement said it was company's decision it is commitment to "sustainable business". Wearing fur the arguments 'against' the fashion and 'for'?

'FOR Fur Item'

Mark Oaten in a statement said 'he was overwhelmed by disappointment on Gucci decision, "It makes no sense,"he says. Mr Oaten who runs the firm 'Fur Federation International added: "he belief his for environmental reasons but thought natural fur is the most luxury item in fashion collection. He added: 'Fur comes from animal, it end products won't find itself in landfills, there are biodegradable unlike the fake ones which chemicals are used to produce one'.

Use of animal in the trade, their treatment and condition for years been criticised by animal welfare groups. His role as the firm director was ensuring imported products comply with UK regulations which 70% of the imported fur raw materials are from Europe. Countries such as: The USA and China are big producers of the product - in the past decade animal welfare organisations have criticised their practice. Circulated gruesome pictures and videos support these claims of animal skinning alive in a regulated industry Mr Oaten admitted.

'AGAINST'

Campaign by Humane Society International (HSI) said: "there were delighted by such news. As the biggest fashion house Gucci should do more on issues concerning animal protection around the world. Mrs Barclay who works for (HSI) says is a positive news with the hope to cut down wild animal cruelty for their fur, remembering these are wild animals and need to be preserved. A decline in their products for sale consumers will become more responsible ethically and environmentally in their awareness of the damage. Other animal items such as cat, dogs and seal have already been ban.



Fashionable fur display on fashion catwalk

Fox captured ready to be slaughtered

<http://www.bbc.co.uk/newsbeat/article/41595134/gucci-will-stop-selling-fur-from-2018-but-not-everyone-is-happy-about-it>

Case Study: 2. Conflict in resource development in developing Countries.

Resource development in Countries such as Botswana, Burkina Faso, Gaborone etc is threatened by exploitation of its people (working with no or without pay structure) and uneven revenue and mineral resources distribution. **[Picture inserted below]** About 40% of the threat amount by bad governance (democracy) in developing countries take funds but unfairness to socio-economic development. Sadly some developing countries won't affect what they've signed. They pass legislation but weak in enforcing them," Chair of Transparency international board in a communication to 'United Nations Convention Against Corruption', shed light on that corruption has infested the importance of governance, which put a massive doughnut hole in developing countries prosperity and its citizen. In order to achieve sustainable growth effective legal structure ensuring transparency and protection of its workforce.



Exploitation of workforce without proper tools to use for cultivation.

Ebola recent outbreak in Congo has claimed 198 live's the health minister Dr Oly Ilunga Kalenga said the fever was server since it was identified in 1976. But Armed rebels are hampering foreign health officials effort in containing the dreaded disease as the rich east of the country has mineral such as cobalt in which the rebels protect from foreign investor due to exploitation. The health ministry says their team of experts face constant threats of physical assault, verbal abuse and damage done to their equipment. Although they have been able to successfully vaccinate 27,000 high risk contact. [<https://www.who.int/csr/don/28-december-2018-ebola-drc/en/>]

The country has tripled levy on Cobalt and Coltan to foreign companies such Glencore and China Molybdenum in a bid to combat exploitation of their natural resources by foreign companies and to safeguard is ecological system. Congo has the highest record of two-thirds of cobalt in the global market output and expanding its share value by three-quarters year 2021 as foreign corporations come in with new projects. Cobalt is used in technology and its component such as lithium-ion battery in electric cars and laptop computers which has high density greater power. This will help build the country infrastructures.

<https://www.bloomberg.com/news/articles/2018-12-03/congo-triples-levy-on-cobalt-with-strategic-minerals-decree>

Case Study: 3. Going Green and Renewable Energy's

Britain is ahead of green energy on the energy revolution with advance in smart technology such as electric vehicles, smart appliance etc. Research from Imperial College and E4tech concluded England and Scotland had progress ahead in terms of power and buildings. The report launched by Drax Group suggest that cities such as London, Nottingham, Edinburgh etc were more pro green with their green transport systems gaining access to national funds for rail electrification with businesses such as Tesco joining force to install electric charging pod points over the next three years. This will enable customers to use a free standard charger to charge their electric vehicles. [The Metro Newspaper Nov 2018 P.26]. The announcement came as increase demand from car and technology firm such as Dyson, Hyundai, Tesla etc boost output by investing in new clean electric cars technology. DPD which uses all electric technology to deliver its parcel at their London depot saving tonnes of CO2 a year resulting in lowest carbon emissions. [The Metro Newspaper, Oct 2018 P.4] Cities such as Cambridge, London, Ossawa Oxford, Tokyo etc reduce their carbon footprint by engaging in walking, cycling and the use of electric cars to commute to work and travel. Scottish, London and eastern part of the country were more energy efficient with a high score A-C Energy Certificate rating performance. [The Metro Newspaper, Nov 2018 P.26].

Energy giant ExxonMobil were teaming up with Esso on their research to produce a lower CO2 emission using Algae as a renewable source as biofuel to today's transport fuels. If successful, the world could be provided with more energy without posing a risk to fresh water water and global food supplies because algae grow in salt water and on land not suitable for crops. [www.energyfactor.uk]. Researcher fear we are creating two-tier economy which would leave families and businesses less powered in certain regions modernising their energy infrastructure to enjoy better health and relatively cheap bills. Although environmental scientist see addressing the environmental challenges as as most mattered to citizens.

A whale dies as it was swept ashore with its stomach full of 13lb of plastic which include 1,000 plastic items of cups, polystyrene bag, flip flops and nylon sack. Rescuers at Indonesia Wakatobi National park could not ascertain the cause of the death, but facts would suggest the marine species died from plastic pollution said one of the conservationist. Minister for Marine believe other sea animals may be contaminated by plastic waste and urge governments to take equal majors in protection of marine life by aiming to reduce plastic pollution waste by 70% by 2025. [The Metro Newspaper, November 21, P.11]

Super chain store's Tesco, Sainsbury, Aldi, Lidl plan to get rid of plastic packaging by year 2019 the announcement of the ban for all non-recycling plastic came in last year 2018 in a bid to combat plastic pollution. Other rivals signed In April of 2018, "World first" UK plastics pack they came into formal agreement to entirely eradicate plastic film, polystyrene those used in wrapping pizza trays, water-soluble bio plastics and single used plastics bags. These were some of the "hard to recycle plastics the super stores are working with supply chains and packaging companies to get rid.

British Airways brought to an end its last fleet of Boeing 767 after 30 years of service in preparation for it £6.5 billion upgrade. The airline carrier had 28 of the old model flight used for their long and short haul travel.

A spokesperson for the airline in a statement said: there have taken delivery of 30 new Boeing 787 Dreamliner and will launch its Airbus A350 which uses less aviation fuel than same size older model aircraft in a bid to combat air and noise pollution.

<https://www.flightglobal.com/news/articles/video-british-airways-bids-fond-farewell-to-boeing-453933/>

Case Study: 4. Anti-Social Behaviours and Health Issues

Homelessness and Rough Sleepers soared by 120% in the UK with friends sofa sofiing and some spending their nights in open parks, trains, buses, tents and cars. Research by Heriot-Watt University found about 12,300 people were exposed to the cold elements sleeping rough on the street or without a home. These include families with young children living in a temporary accomodation. Homeless has long been linked to mental health issues as one in eight people age 5 - 19 had mental disorder. A survey show around 9,000 of young people were mentally disturbed and the National Health Service England struggle to cope with the prevalence of these illness. [The Metro Newspaper December 14, P.9]. This illness if not treated properly stay with young kids till their adulthood. Last year saw BBC radio host **Vicki Archer** took her own life by hanging age 41, who had struggle with depression from childhood and at work place. [The Metro Newspaper, December 6, P.37]

Although the government are doing their bid with back up plan of £1.2 billion in tackling homelessness and further £100 million strategy in areas like mental health illness [The Metro Newspaper December 14, P.9].

Row over whores Tory party donation as leader of the ruling party Theresa May was asked to return back almost £300,000 of donations money from property investor Christopher Moran. Mr Moran owns properties in affluent Chelsea suburb in South West London, profiting from millions of pounds in rent from sex workers lodging in $\frac{1}{3}$ (One third) of the apartment block .

Chair of all party parliament Mr Shuker wrote on Twitter 'Tonight, I've called for donations to the 'Tory party made by Chelsea Cloisters' owner to be given to charities tackling human trafficking and sexual exploitation'.

Sunday Times reporters said booking prostitutes was easily made using 23 apartments in the block of which 15 of them were on rent from Mr Moran's Realreed company.

The building is also known to hold address records of three (3) escort agencies and renowned for punters with men cheeked rose. [The Metro Newspaper, November 26, 2018 Page. 9]

Women employment to take up half of jobs applicants for driver roles by 2021 in a bid to strike balance in male dominated industry. Southern rail figure which showed 4.5% of its workforce were female launch a recruitment campaign to employ women in the role to reach their 40% mark in a bid to tackle inequality with attractive pay of £25,000 - £52,000 after a year of driving with improve working condition of 35 hours in a week.

The move will encourage female training on unconscious bias by all managers giving women pride and responsibility role as society embrace change in a positive way that reflects diversity in the workplace.[
<https://www.standard.co.uk/lifestyle/london-life/female-train-driver-interview-southern-railway-a4001586.html>]

Corporation such as Siemens where training more female gender into Engineering and Science which where mainly male gender subjects. This has given young hopefuls female enthusiasm in engaging in technical projects gaining life and work skills with internship and sponsorship programmes.
[\[https://www.siemens.com/us/en/home/company/about/corporate-responsibility\]](https://www.siemens.com/us/en/home/company/about/corporate-responsibility)

Army recruit crisis as capita Army Recruiting Partners are finding it difficult to recruit troops. It is said the one of the reluctant to join the force is the inadequate care and attention given to ex veteran after their service. Some have post traumatic stress disorder (PTSD) which is linked with mental illness and the government won't take adequate of them. An Amy ex veteran was to forced to claim the welfare (Universal Credit) he was found living on £8 a week, had to place to live with little support from NHS for PTSD.

Daniel Johnson, who served with the Royal Army Medical Corps, get handouts of £155 a week of which £147 make their way toward paying accommodation cost and other living expenses [The Metro Newspaper, November 14, 2018, P4]. The Army current trained service men stands at 77,000 missing a target of 82,500 It is also said by National Audit Office (NAO) there were experiencing technical problems with IT system for recruiting since Capita took over in 2012 and lack of adequate training personal. The project planned saving of £267m won't be achieve.

Swearing as become a norm among infants nursery with 13% increase children as young as age 4 use profanities as common socially acceptable day to day language. Research by 'day nurseries' young children hear this foul languages in pop songs or on the YouTube channel. It is said this sort of behaviours are link to anti-social behaviours later on in life. [www.daynurseries.co.uk]. A 15-year-old Syrian refugee was severely bullied at school being verbal and physically, he was grabbed and headbutted to the ground. The Syrian boy who fled his war torn country attended the Almondbury Community School he was also attack at his previous school in Huddersfield with his Sister pushed to the ground for wearing hijab. His attacker who the believe support far-right extreme group Britain First and English Defence League was excluded from the school [The Metro Newspaper, November 30, 2018. P.7].

Case Study: 5. Violent, Sex and Reoffending Crime.

Crime rate on the increase in Europe mainland in the past 12 months. The 'yellow vest' protest in France have seen 400 people injured during widespread violences against rising fuel taxes duties causing criminal damage to businesses and clashes with Police and other law abiding citizens. There were fights (assaults) involving stabbing which provoked unlawful behaviour that led to violence. The sparked protest are challenged to president Mr Macron greener energy reform for France, making petrol and diesel engine unlawful in a bid to combat air pollution by replacing them with electric engine.

President Macron calls for Europe to take adequate moral responsibilities for its own defence, he said in a speech the French-German alliance were investing heavily in its future so the world won't fall into chaos. [The Metro, Tuesday 27 Nov, 2018. P.19].

Sexual violent, knife and day mugging increased 14% in UK mainland according to Office for National Statistics (ONS), survey carried out on 35,000 English and Welsh household. Figures below shows knife crime and other sharp objects was up by 21% while gun crime was up the year 2017 September.

Latest Crime figure from Police forces England and Wales

- Offences involving robbery 68,968 up by 29%
- Offences involving sex 138,045 up by 23%
- Offences involving violent 1,29,405 up by 20%
- Offences involving Knife 37,443 up by 21%
- Terror Threat Offences up by 30%

The survey by Crime Watchdog found that crime in major cities were either falling or maintain interchangeable level. However violent offences, as such using knife or other sharp objects occurred in small volume but intense in major cities (Birmingham, London, Manchester) etc.

Terror threat was also on the increase following attacks on worship places such as Mosques and government targeted building. There were rise in offences connected with vehicle theft, up by 18% from 443,577 with linked to burglary soar by 8%.

A spokesperson for Police England, said forces had lost officers since government budget cut in 2010. Fewer Police officers patrol the street handling the growing crime and reoffending number. Mr Hurd, Police Minister in a comment said there was a reduction in crime but concern were raised as to the upbeat in severe violent crime. Government were committed in reinforcing effort tougher legislation and sentencing enforced.

<https://www.bbc.co.uk/news/uk-42749089>

Environment

Greenhouse gases made are summer a bit more hotter this year with the heatwave reaching 35.6celsius in the South East of the country (Felsham, Suffolk etc). It was record high summer since 1910 research by the Met Office and Exeter University compared computer models based on today's climate and linked the rising temperature to the rapid rise in carbon dioxide and other greenhouse gasses the atmosphere. The Met Office say there is a chance the trend will continue if we don't cut down on our carbon footprint and production methods. [The Metro Newspaper December 6, Page 15]



Other research found **Greenland's ice sheet** were melting away and water from melting ice is increasing sea levels, scientist claim the findings publish in journal of give new evidence the impact of climate change on Arctic and a rise in global sea levels. Researcher from Rowan University of New Jersey used drill to extract samples 6,000 ft above sea level dating back 17th century to prove the impact of melting ice intensity. The report comes as Natural historian and broadcaster Sir David Attenborough warns the danger of climate change on the natural world and the need to

tackle it in his speech at UN climate meeting in Poland. [The Metro Newspaper December 6, Page 15]

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