

## What were the key issues raised by Tim Flannery in relation to Sustainability?

- Responses in industry. Carbon reduction measures, even for a country like Australia are vitally important.
- Every little bit of help counts. Kelp farms, carbon budget is shot! Rate of change is scary x170, be a leader. We need a carbon price.
- Addressing climate mistakes of the past is inevitably necessary. We need Leadership in this area. Schools have a great opportunity to influence future generations around this work
- Change our mentality!! Change the education and connect with these new subjects.
- Opportunities and possibilities for the future
- The importance of making it real in the classroom for the boys
- Just have a go. There is hope. Great chance to make the most of the optimism of youth
- Possibilities for the future of work and industry
- Opportunities for Catholic schools to capitalise
- How the science compels us to act
- See opportunities; use imagination; admit mistakes; be hopeful
- Using reusable energy more efficiently. Getting the politicians to act.
- Need to act now, we must educate our young people and each other
- The impact is real, global and accelerating. There is good news. It is not all doom and gloom. We can influence the changes if we work together and start now. Need a global response.
- Human ingenuity may dig us out of a bloody mess. Humans focusing on their own patch may leave us in despair
- Our responsibility to act, the carbon debt, future possibilities and jobs, everything counts.
- Imagination and awareness are key issues for schools to promote with their students
- There are a number of ways that we could decrease our carbon footprint
- Human stubbornness and greed.
- Stubbornness to deny evidence, greed to think of short term only.
- He outlined the immensity of the problem (emissions); showed we have solutions available.
- We need the leadership / political will to enact the solutions. That is our task.
- Crops are growing faster but not as nutritious
- Cover North America with trees to fix the carbon issue
- There is hope and technologies being developed
- 9% ocean with seaweed farms
- Carbon emissions in china increasing production of methane and nitrous oxide
- Ensuring that the message of global warming is embraced and promotes action.
- The challenge of ensuring political leaders support and promoting scientifically based approaches to solving sustainability questions.
- Where to from here in micro and macro terms. Amongst all the data the key message is still around a shared understanding of the realities of ecological sustainability. For schools this means education for action.
- The key issues relate to our carbon footprint and the impact on every ecosystem. There are significant scientific advancements which are worth classroom Science and STEM examination. Issues such as air quality, clean water, global food security and waste disposal are huge issues. So too new plastics technology. The impact on our Australian natural environment should be raised with students.

- In schools the cross curricula examination of these issues should be considered.
- Need to act before 2050
- Massive impacts if we don't Educate your students
- Small changes add up to large ones Not all doomsday scenarios- solutions are out there. Hopeful future. Lack of Political Leadership a significant impediment. Importance of Carbon Pricing in moving to solutions. The Carbon Budget has been spent.
- It is real. We must act as a globally connected human community. There is hope and already many initiatives are starting that can help.
- I particularly like the idea about the changes from 1917 to 1950 and what can happen in that time frame and the rate of change now.
- There are many negatives and causes for depression. But, there are many signs of hope in technologies emerging to provide some answers and ways to avoid future issues. It is a key challenge to ponder the kind of world present youth will experience in 2050.
- Have optimism in our imaginations! We need to put out an EREA Challenge to the most innovative response to sustainability- there could be regional finalists, followed by a national winner. Also make a connection with 'corporate ' Australia to invite CEOs into the schools to see these initiatives. Then the students become the teachers. Education is the key
- Laudato Si / Climate Change Targets / Carbon Negative Technologies all allow our communities to engage in hope and purpose - which are so important in our modern world.
- The power of humanity and its ability and capacity to empower, trust and allow an imaginative space to partner with our students in responding to the challenges facing our earth.
- Key issues. The need for students to be linked into real world issues around sustainability.
- articulated the challenges around future development in energy producing industries.
- The reality of the current damage being done to our world given the 1 degree increase in temperature globally and the catastrophic effects if this was to increase by another degree.
- The key issues are about refocusing our responsibilities as educators. We have met the technological imperative of our time but now we need to address the impact of our living upon the planet. Can EREA maximise our resources, skills and staff to develop sustainable ways of educating and working to limit the human impact upon our world?
- Taking an intelligent researched and rigorous approach to climate change. Not being lulled into complacency. This is an urgent wakeup call to our planet. Tim very briefly touched upon the metanoia or change of heart needed to combat our throw-away society and to raise consciousness in our materialistic obsessive generation. Sustainability is about long term structures that don't rely on individuals alone. Our students and young people need a sense of hope for the future. Schools need to have a curriculum that fosters excellence, creativity, collaboration and with an ethos that supports service. Schools support families in giving young people hope. Empowering and trusting our youth and ensuring that they are aware and engaged in their ecological understanding around climate change; Educating people in ecological matters and developing a sense of accountability across society; The financial constraints around developing technologies and finding ways to encourage governments and business to be empathetic and innovative; The difficulty in convincing governments and business to be long term in their thinking.
- Mature response to climate crisis
- There are ways forward to protect our home Most of Tim's key issues were focused on reducing the amount of carbon in the atmosphere. This included the concept of biological and chemical pathways that reduce atmospheric carbon and their associated industries that would provide

jobs and resources for the future.

- The impact of climate change and the human influences behind that.
- One key issue that resonated with me is that there is hope in action - that the picture is not all doom and gloom. That we need to pass that message of hope to our students. To pass on the message of hope and purpose.
- Another key point is that education is the key- through educating our students, creating awareness change will follow. Also through education we engage our young people in the many opportunities that exist for careers and life choices.
- The call is for a shift in the vision and culture of EREA schools to making earth literacy and living sustainably the 5th touchstone. Each year a week is marked as Laudatory Si week and the whole school community comes together to review their yearly performance as people living into a more sustainable way of life. They look at where they are and set the goals and way forward for the next year.
- One key issue that resonated with me is that there is hope in action - that the picture is not all doom and gloom. That we need to pass that message of hope to our students. To pass on the message of hope and purpose.
- Another key point is that education is the key-through educating our students, creating awareness change will follow. Also through education we engage our young people in the many opportunities that exist for careers and life choices.
- That we have the knowledge and the means to drawdown carbon which gives us time as a species to right our relationship with the ecosystems that support life. That we need to understand that CC is real and human induced but given good will we can fix it.
- Climate change is one of the most critical issues facing our planet. Human impact drives climate change and we as humans, therefore, must recognise the need to change. The rising temperature of the Earth is a significant concern. This will continue to have significant impacts on the Earth. Climate change is a process, not a destination. The Earth can only tolerate a very small margin of temperature change before drastic results on natural environments will occur. The reduction of carbon dioxide from the Earth's atmosphere is critical. There are biological and chemical means to do this, but the success of these measures requires commitment, investment, imagination and inventiveness. Finding new ways to solve issues of climate change is critical. There are many opportunities available in areas such as kelp farming, solar, wind energy. Carbon pricing will be an important step in helping to support positive climate change measures.
- That we have an opportunity to empower our students to be ecological disciples.
- That time is against us. Everybody needs to play a part. Fascinating the discussion on what is being trialled and done in relation to seaweed, solar etc.
- Tim provided perspective on the scale of climate change and the key measures to bring about change. Most importantly, Tim challenged us with being beacons of optimism and nurturing innovated among young people.
- Challenge in making sustainability relevant and important to all.
- Creating positivity and opportunities from a place of impending disaster.
- Maintaining the momentum in sustainability approaches
- Getting the government and industrial heads to see beyond short term goals for long term.
- How to sequester CO<sub>2</sub> in order to address Climate Change by means if both biological and chemical processes. As educators, we have responsibility to help our students learn the means to "leave the world a better place than they inherit". One if the issues is finding ways to engage government prioritisation to be in alignment with scientific findings.
- The impact of climate change and the human influences behind that.

## What connections can you make between the themes explored in Laudato Si and the philosophy and views of Tim Flannery?

- Consumption - We have a collective responsibility
- Our humanity is what unites us. When we work together for the combined care of our planet we are powerful. Awareness is important and we all have a responsibility to work together to try and fix it.
- Care of Mother Earth is key. We need to be more respectful and responsible. Education is so important in ecological sustainability and change. The new relationship y the new spirituality. It is a new world and the church and the teachers need change!!! We have an opportunity to deal with climate change through human endeavour and imagination
- We all have a responsibility to get involved They seem to go hand in glove with each other To steal a phrase from elsewhere, we need to think globally and act locally to address these issues and Pope Frnacis gives us the religious and moral imperative to act while Tim can back it with the science We mustn't silo our storehouses of knowledge; rather, integrated approaches to education of our youth are required. For example, the Sustainability coordinator/program needs to work hand in hand with the Faith in Action program/team. Influencing the hearts and minds of people so that our children and their children have a future. By educating ourselves and others we can encourage and lobby for sustainable practices which will care for our earth and its future. Every one of us can do something.
- We need to assess the reality in a mature way and take responsibility. Leaders will be needed to show the way. Laudato si and Tim's views are based on scientific fact and hope for future generations. Their language is not one of guilt, rather, proactively seeking solutions. Preservation of beauty as well as usable resources, the balance between initiatives and justice (care for the marginalised), education for sustainability, imagination, innovation and creativity with problem solving and the like.
- A sense of hope - Raising awareness – It is vital that we take action
- It was interesting to hear Tim refer to the "Holy Father". Tim's message is congruent with Laudato Si. His style was one of patient tolerance which I could interpret as love. We can make a difference using the new technologies created for reducing carbon in the atmosphere
- We can inspire young people to be involved in their future. Both Pope Si and Tim Flannery posed the question: What sort of world do you want to leave behind? We must allow young people to make an educated decision about our environment.
- We are challenged by Laudato Si and our own EREA Charter to promote ethical stewardship of Mother Earth. A sense that the time is now and it is the responsibility of all humankind to act. Tim beautifully articulated the sentiment of God's amazing gift, a message at the heart of laudato si Main issues such as stewardship, social responsibility and carbon footprint reduction. The poorest cultures will clearly suffer first. The issue not covered or recognized in Laudato Si and by Tim Flannery is world population growth. My concern also is the growing group of scientific sceptics such world leaders like Trump. Similarly talkback radio jocks who persuade public opinion ignoring scientific facts.
- Gaia theory of treating the earth like a mother (God's gift to humanity)
- Key of taking responsibility. The important place of hope. The key motivation for an improved future being

children and young people.

- The idea of loving this blue planet and wanting to leave this world a better place is part of God's plan.
- It's our common home not a tip for our consumerist society. The question sits with me about what can I do rather than keep just blowing CO<sub>2</sub> and more hot air.
- How do I and we live differently when I sit in a place of global privilege and comfort?
- A spirituality that creates a connection to the mystery we call God in creation rather than one that follows a faraway God.
- Creating a spiritually fulfilling socially just ecologically sustainable human presence on our earth
- Humans are from earth no separate.
- The most important is the challenge to attitudinal change at a fairly profound level. I delight in the thought that education has a major role to play in this, even though Pope Francis focuses on the family as the major change agent. We need to ensure that students know about the present positive developments and potential sources of research and employment
- Church and Science are not mutually exclusive!
- We have to act NOW to create innovative opportunities to respond to past failures. We have to have courage and imagination.
- It is everyone's responsibility Both science and Church are working in cooperation to sustain this precious and fragile planet. Faith and fact are being used to allow God's creation to be renewed and repaired. This utilises two of the world's largest organisations to allow change to occur on a global level. The connections noted were that both men are deeply aware of the challenges that we as a humanity are facing. These challenges are built and created by humans and that both men acknowledge an optimistic outlook towards the future. Tim and the Pope both highlighted the beauty that is found our land and the need to preserve God's creation. This preservation is founded in human connection through human relationship.
- A clear reminder that our world needs "grow up" in understanding and responding to these concerns.
- It is not our right to continue to exploit the world's resources nor blame others such as China for the state of our world. Stewardship is the moral connection between Tim Flannery's presentation and Pope Francis' Laudato Si. As many of the tradition functions of the Catholic Church, such as parish life, youth groups, Clergy and even Sunday Mass, become less of a regular feature of the life of our students; teachers have become the voice of the Church. It is with this voice we need to ignite the imagination of our students. Laudato Si is about their future.
- Page 180 of Laudate Si talks about not giving up hope. It goes on to say local initiatives provide hope. Tim talks about high powered world-wide initiatives by some of the planet's brightest minds. Our schools provide local responses with equally bright but as yet these minds are not fully trained. Providing rigorous world class reputable curriculum and staff training to our EREA and EREBB networks is an important key.
- The concepts of interconnectedness and a new vision are obvious in both. Tim supports arguments with data and gives ways forward. The encyclical is based on evidence as well as a new vision for the Gospel messages of compassion, hope and courageous visioning and action. Developing an ecological spirituality in students in our schools through curriculum, school strategic priorities and student empowerment and experiences; Integrating faith teaching, immersion and social justice activities in our school that encourages

student engagement and advocacy; Ensure that our youth are given a sound platform in church teaching on ecological spirituality and given opportunities to be engaged in sustainability school based projects ; Ensure that the school prioritises indigenous education and embraces the learnings between indigenous connections with the land and sense of belonging The importance of our relationship with each other And our interconnectedness to each other and our planet We are all responsible. Firstly, we need to identify that we have a problem and then we need find solutions. Having imagination is another connection that is vital in finding the best solutions. Furthermore, both Tim & Laudato Si suggest that we need to act now in order to save our planet for future generations.

- The importance of the leadership Pope Francis has taken in producing Laudato Si. The encyclical acknowledges the science that supports Climate Change as real. The need for humans to Change the ways in which we relate to the earth. Education is a key to the future. Tim affirmed all that the EREA schools are doing. Technology and human imagination, inspired by imagination and spirituality can address the impacts of Climate
- Change. Reasons to HOPE are so vital for human flourishing. Technology needs to be at the service of this change While I believe that it is important for people to be involved in sustainability projects and technological research, Francis makes the point that it is through spiritual, cultural and educational change - changes of heart and changes of mind-set - that will have the most impact in dealing with environmental issues. The doom and gloom statistics often presented in relation to these issues risks having a nullifying effect on the minds of people constantly bombarded by often- perceived unsolvable world problems. Tim's presentation sought to provide some semblance of balance while still presenting the harsh reality. As educators, we are committed to making a positive difference in the life of a young person. If that endeavour has the outcome of that young person working to hand to a new generation an environment more healthy, more sustainable and more beautiful than the one they have inherited, then education has certainly brought about the desired change of heart necessary for this to happen.
- The message that both church and science are working together for the positive future of the earth. The point that the responsibility for stewardship is incumbent on every person. Pope Francis states you cannot engage in social justice and care for people if you do not care for the earth and Tim touched on that today. Much of the injustice in today's world is based in environmental issues that must be addresses. The spiritual perspective is now part of the environment discussion.
- The theme of living into a spirituality that is interconnected with the earth is needed if we are to stop treating the earth as a resource to be exploited for humanity's use. The shift is towards seeing ourselves as members of the earth community with responsibilities to live in ways that respects all of life. This shift in consciousness will provide the heart, imagination and finance to address the imperatives of climate change.
- The message that both church and science are working together for the positive future of the earth. The point that the responsibility for stewardship is incumbent on every person. Pope Francis states you cannot engage in social justice and care for people if you do not care for the earth and Tim touched on that today. Much of the injustice in today's world is based in environmental issues that must be addresses. The spiritual perspective is now part of the environment discussion.
- Most importantly that everything is connected and we must bring our school community to this

understanding. Laudato Si addresses all aspects of life and Tim showed that climate change and global warming impacts on eg. Health, economics science history psychology geography politics & religion all in Laudato Si. Education to new ways of being entrepreneurial for carbon capture and sequestration and generating energy in sustainable ways.

- Changing culture is ongoing. Humanity must develop a new way of living in harmony with the Earth, and embrace new ideas that show respect for creation and a commitment to making positive and sustainable ecological change. Leaders are required to commit to global agreements and work with their communities to enact measures that can have a positive ecological impact. Exploring new ways / technologies which may allow us to live more sustainably is critical. We need opportunities for positive dialogue about the possibilities and solutions already in existence. The fragility of the Earth is evident in all of the discussions. We have the power and capacity to change the future of the Earth. Education is critical to this. Issues such as water and soil quality and food security require imaginative solutions, investment and commitment. Although there is huge challenge ahead, there is hope and optimism present. The challenge is in inspiring our young people (and ourselves) to make positive change for the future. Developing an attitude of gratitude for Mother Earth. Harnessing the energy and spirit of our youth to be active agents and faith advocates for the ongoing care and sustenance of Mother Earth. That it is real and that as earth's citizens we have a very clear responsibility to play our part. As schools, we must prepare our students for the future by equipping them with the tools to make a difference in sustaining our planet. The Pope's message of the interconnection of our social and physical environment was affirmed by Tim. If we are to take care of our physical environment we must also nurture our social environments. We must stand in solidarity with our earth as much as we strive to stand in solidarity with our neighbours. Both Laudato Si and Tim highlight the time for discernment has passed and that we are compelled to action.
- The responsibility lies with the individual who realised that they and their actions belong to a greater
- We need to inspire and support our students in finding meaning and taking action to "leaving the world a better place than we inherit". The importance of the leadership Pope Francis has taken in producing Laudato Si. The encyclical acknowledges the science that supports Climate Change as real. The need for humans to Change the ways in which we relate to the earth. Education is a key to the future. Tim affirmed all that the EREA schools are doing. Technology and human imagination, inspired by imagination and spirituality can address the impacts of Climate
- Change. Reasons to HOPE are so vital for human flourishing. Technology needs to be at the service of this change.

