



# Global Contributions of the Jesuits: Becoming all for all

**FRANCIS P XAVIER SJ**  
**RECTOR**  
**LOYOLA CAMPUS**  
**CHENNAI**

# Evolution of Jesuit Vision

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- Care of soul (spiritual)
- Care of person (temporal)
- Freedom and dignity (holistic)
- Total Liberation (freedom from/for)
- Leadership (social responsibility)



# Concept of Jesuit Education

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- **Comprehensive:** Formation of Mind, Heart and Hand  
(Intellectual, Affective, and Skill-based)
- **World-affirming:** Universal Outlook with Global Leadership
- **Social responsibility:** Altruistic, Promotion of Justice
- **Multi-disciplinary and Value-oriented:** Research  
(Fr Kolvenbach, 7 Jun 1989 in USA)

# Jesuit Mission

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‘The Jesuits attempt to discover, shape, renew or promote human wisdom, while at the same time respecting the integrity of disciplined scholarship’ (GC 34 404). Further, ‘the Society of Jesus has carried a flame for nearly five hundred years through innumerable social and cultural circumstances that have challenged it intensely to keep that flame alive and burning’ (GC 35 D2/1)

A Fire that kindles other fires: Many sparks, one fire – Many stories, one history (GC 35 D2)



# Goal of Mission

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- ‘For the poor, they (Jesuit Universities) serve as major channels for social advancement’ (34 GC 405)
- Affirmative action towards empowerment
- Formation of men and women for/with others
- Holistic formation based on values: Faith that does justice

# In-depth Study and Research

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Jesuit universities will promote interdisciplinary work; this implies a spirit of cooperation and dialogue among specialists within the university itself and with those of other universities (34 GC 413)

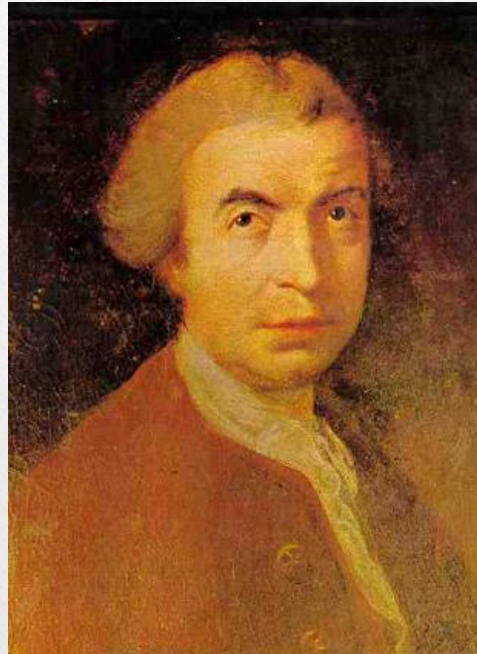


# Jesuit Contribution

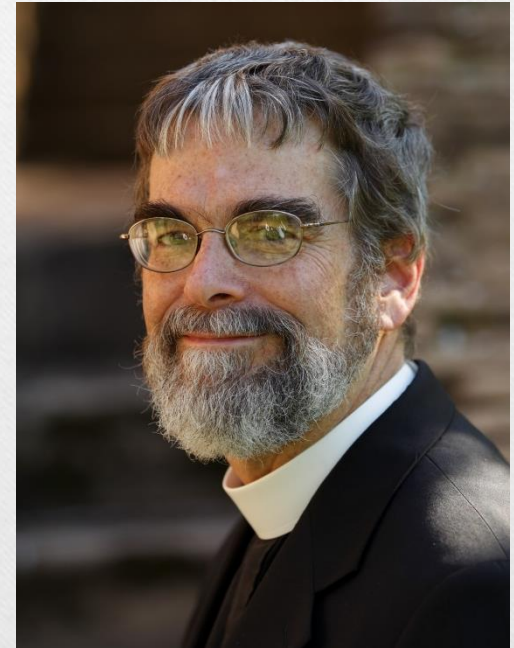
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Matteo Ricci



Roger Boscovich



Guy Consolmagno

# Political Advisers: Influence in Political/Economic Policy

- ▶ **India:** Akbar's court in Fatehpur Sikri (1579) – Two Jesuits: Rodolfo Acquaviva and Francisco Henriques
- ▶ **China:** 920 Jesuits between 1552 and 1800
- ▶ Ming and Qing Dynasties – Matteo Ricci, Adam Schall von Bell, etc
- ▶ Bridge between China and Europe
- ▶ Abdullah, King of Saudi Arabia, decorated with Knight of the Order of the Golden Fleece (controlled by the Jesuits in the Vatican)
- ▶ Politburo adviser in China





# Jesuits and European Royal Families

- ▶ **France:** Adviser/Confessor from Henry III to Louis XV (2 centuries)
- ▶ **Germany:** All German emperors after the early 17th century and to all Dukes of Bavaria after 1579
- ▶ **Poland and Portugal:** Advisers to most rulers
- ▶ **Spain:** Advisers to Spanish Kings in the 18th Century
- ▶ **England:** Adviser to James II
- ▶ And many princely families throughout Europe – Influence in policy making

# Suppression and Restoration

- ▶ Growing opposition to Jesuit popularity and influence
- ▶ 1. Jesuits as papists in conflict with other political powers
- 2. Counter reformation: Jesuits as target of reformists/Protestants
- 3. Colonization: Jesuits stand with and for the liberation of the slaves
- 4. Jesuits advisors to Kings – When monarchy fell through, difficulty for the Jesuits
- 5. Inculturation: Stiff opposition from the Church
- ▶ Demand from monarchies of Portugal, Spain, and France to suppress SJ
- ▶ Suppression: 1773 (by Pope Clement XIV)
- ▶ Survival of the Jesuits: Protestant Prussia, Orthodox Russia, and Hindu India (in Mysore under the patronage of Hyder Ali)
- ▶ Restoration: 1814 (by Pope Pius VII)



# Jesuit Explorers

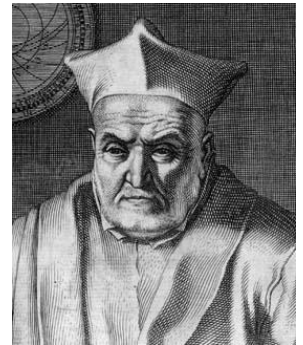
- ▶ **Exploration:** Existence and map of magnolia
- ▶ Discovery of silk way (route to China)
- ▶ **China:** Map of China – Astronomy (Fr Matteo Ricci)
- ▶ **Egypt:** Location and Exploration of Blue Nile
- ▶ **USA:** Exploration along the Rivers Mississippi (Fr Jacques Marquette) and Amazon
- ▶ Jesuit Republics in South America (esp Paraguay, Peru etc)
- ▶ Founding of Sao Paulo (Brazil 1534 – 1597)
- ▶ **Ferdinand Bonnell** (1901-1938) – developed Sri Lanka
- ▶ **Landing on Moon:** Neil Armstrong had with him, when landing on the Moon, a Jesuit map of the Moon



Fr Jacques Marquette

# Jesuits in Science and Maths

- ▶ **Gregorian Calendar** – Christopher Clavius
- ▶ **Teilhard de Chardin** – Paleontologist: discovered the missing link (Peking Man)
- ▶ **Roger Boscovich** (1711-1787) – Atomic theory → Structure of the Universe
- ▶ **Vincenzo Riccati** – Differential Equation (Riccati Equation)
- ▶ **Giovanni Girolamo Saccheri** – Non-Euclidean Geometry
- ▶ **Andre Tacquet** – Forerunner of Calculus
- ▶ **Acues de Billy** – Number theory



Christopher Clavius



Vincenzo Riccati



# Jesuits and Astronomy

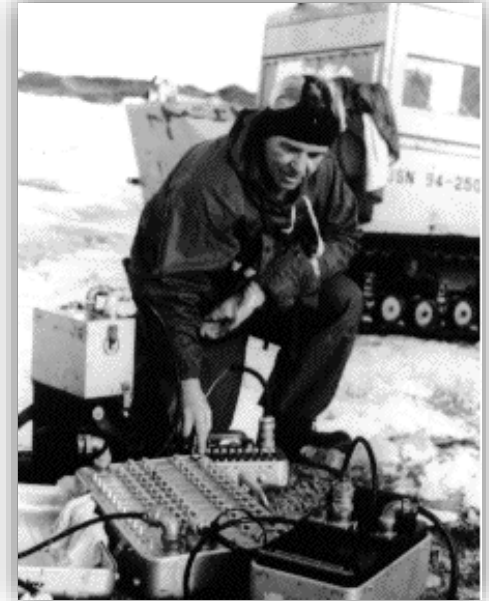
- ▶ 35 craters in the moon named after Jesuits
- ▶ Four asteroids named after Jesuit Astronomers
- ▶ **Mateo Ricci and Schall** – Directors of Astronomical Observatory in Beijing
- ▶ Introduction of Maths in China
- ▶ **Ferdinand Bonnell** – Father of Meteorology
- ▶ **Christopher Clavius** – Geometry: Euclid of 16<sup>th</sup> Century – supporter of heliocentric universe
- ▶ **Angelo Pietro Secchi** – Father of Astrophysics (Perfecting Meteorography, Spectroscope, and Telescope)
- ▶ **Jose de Acosta** – Discovered Altitude sickness
- ▶ **Francesco Lana Terzi** – Father of Aeronautics: First balloon-flight

# Jesuits and Seismology

- ▶ Seismology: **The Jesuit Science**
- ▶ Contribution to 'seismic prospecting'
- ▶ **Daniel Linehan**: Theories of Shallow Refraction
- ▶ Daily report from the USA: Surface waves close to earth surface
- ▶ 54 Jesuit seismological stations (since 1868)



Fr Linehan and his seismic truck





# Jesuit Contribution in Fine Arts

- ▶ Promotion of Arts and Architecture, Painting, Sculpture, Music, Theatre, Dance, and Poetry – as part of educational curriculum
- ▶ Modern Theater: 16<sup>th</sup> and 17<sup>th</sup> century – School plays
- ▶ The Wicked Witch of the West → The Wizard of Oz
- ▶ Invention of sheer curtain used in theatres
- ▶ Jesuit style: *ratio aedificiorum* (like *ratio studiorum*)
- ▶ Champions of Baroque architecture  
(The Gesù in Rome - IHS)
- ▶ The films: On the Waterfront (1954), The Mission, Black Robe → Jesuit lives
- ▶ US Jesuit Universities: Course on Arts/Science for all



# The Gesu

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# Jesuit Contribution in Linguistics

- ▶ Dictionaries and lexicons in the native languages in North America
- ▶ **Gerard Manley Hopkins**: English Poet (Poet's Corner at Westminster Abbey)
- ▶ **In India**: Roman Script for Northeast Indian languages
- ▶ **Camille Bulke** (Belgium): Engineering in Hindi – First Doctoral thesis on Hindi Language in Hindi – Translation of NT into Hindi – English-Hindi glossary – Padma Bhushan
- ▶ **Henry Heras** (Spain): Archeologist and Historian – Expert in Mohenjo-Daro and Harappa and Indus Valley Civilizations
- ▶ **Thomas Stephens** (England): Konkani in Roman script - Krista Purana in Marathi (epic on Jesus)
- ▶ **Carlos Gonzales Valles** (Spain): Expert in Gujarati – Coining words in Gujarati – First foreigner to receive Gujarati awards for literary contribution

# Jesuit Contribution in Linguistics

In **Tamilnadu:**

**Robert de Nobili:**     \* Scholar in Sanskrit, Telugu, and Tamil  
                                   \* Coining words: Kovil, Arul, Prasadam, Guru, Vedam, Poosai  
                                   \* Authored Catechism

**Constantine Beschi:** Epic (Thembavani), First Novel (Paramartha Guruvin Kathai)  
                                   Tamil grammar (Chathurakarathi) and Thonool, Father of Tamil Prose  
                                   Thirukural translation with commentary in Latin  
                                   Shrines in Poondi, Elakurichi, Kamanayakanpatti, Konankuppam

**Henry Henriques:**    Printing First book in Tamil (1554 in Portugal) –  
                                   Thambiran Vanakam

**John de Britto:** Missionary in Ramnad area

**Jerome D'Souza:** Indian Constitutions – UN Rep.

**Br K.V. Peter:** Best Postmaster in India (1983 – Padma Shri)



Robert de Nobili



Constantine Beschi



# Jesuit Inventions

- ▶ **Nicholas Owen:** Trap Door
- ▶ **Quinine** ('Jesuit Bark' for Malaria) in 16<sup>th</sup> century and tonic water (gin and tonic!)
- ▶ Megaphone and Germ Theory (Athanasius Kircher in 17<sup>th</sup> Century)
- ▶ **Gaspar Schott :** Gear-system in Engineering
- ▶ **Robert Busa:** Hypertext into computer (1949)
- ▶ **Clavius:** Invention of Vernier Scale + Gregorian Calendar
- ▶ **Francis Line:** Sundial (for Charles II in 1669)



Quecha Indians teaching Jesuits about the Cinchona tree bark



Robert Busa

# Jesuit Inventions Cont.

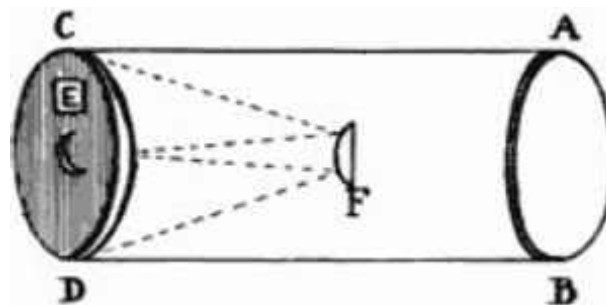
- ▶ **Sheiner:** Refracting Telescope (1613: with two convex lenses)
- ▶ **Nicolas Zucci:** Reflecting Telescopy
- ▶ **Verbiest:** Cannon (1681)
- ▶ **Francesco Grimaldi:** 'Diffraction' of light
- ▶ **Lana-Terzi:** Father of Aviation – Developing seedless fruits
- ▶ **India:** Tamilnadu
  - Introduction of Grapes
  - Kodaikanal lake – Designed and created by Jesuit Brother



Kodaikanal lake



P. NICOLAUS Zucchi S. J.



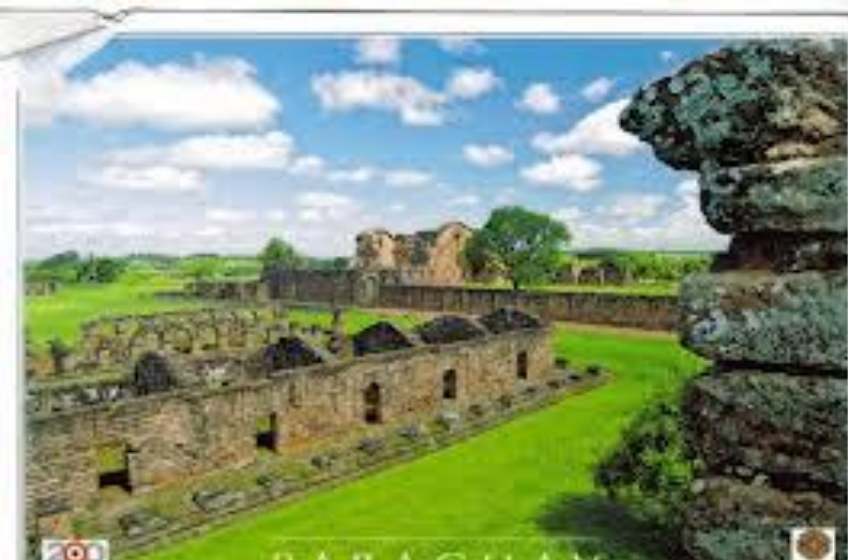
Reflecting Telescopy

# Jesuit Reductions: Paradise lost

- ▶ **17<sup>th</sup> and 18<sup>th</sup> Cent:** Paraguay, Uruguay, Chile, Brazil, Argentina, Peru, Bolivia
- ▶ **South American:** Colonization by Spain and Portugal
- ▶ **Slaves from Africa** – Transatlantic Slave-trading in Cape Verde
- ▶ **Concept:** Slaves (from West African Coast) as sub-humans or Equals
- ▶ **Jesuit Republics:** Autonomy, liberty, and freedom
- ▶ **Slaves** ⇒ Administrative freedom, Self-defense of Republics
- ▶ Education, Training in Music, Embroidery, Sculpture
- ▶ Participation in European competition and commercial markets



# Jesuit Reductions



# Jesuit Refugee Service (JRS)

- ▶ **Founded** in 1980 by Fr Pedro Arrupe
- ▶ **For Refugees**, forcibly displaced people, asylum seekers, internally displaced people (IDPs), undocumented migrants
- ▶ **Starting point**: Vietnamese boat people
- ▶ **Now**: African, Sri Lankan, Bhutanese, Afghanistan refugees (in 51 countries),
- ▶ **Service**: Education, Emergency Assistance (Natural disaster), Health and Nutrition, Social Services (beneficiaries: so far 600,000)
- ▶ Nearly **80** Jesuits and about **1,400** volunteers engaged in action
- ▶ **Fr Premkumar** abducted (June 2014) by the Taliban and released about 8 months

# Option for the Poor

- ▶ **OT:** God's option for the poor - orphans, widows, strangers/refugees (Ex 22:22, Deut 22:14f, and Deut16:10)
- ▶ **NT:** Jesus' stand with the poor and the marginalized – Good Samaritan (Lk 10:29-35) and Samaritan Woman (Jn 4:26)
- ▶ **Ignatius:** Roman College (Education gratis)
- ▶ GC 32 (1968) – Option for the poor and the marginalized
- ▶ **In Tamilnadu:** Option for the poor and the Dalits
- ▶ **Policy:** Education → Employment → Empowerment
- ▶ **In India:** Economically poor and socially marginalized
- ▶ **North India:** Option for the Tribals
- ▶ **South India:** Option for the Dalits



# Jesuit Education

- ▶ *ratio studiorum* (1599) – Plan of Studies
- ▶ IPP: Context – Experience – Reflection - Action – Evaluation →
- ▶ Integral formation → Social transformation
- ▶ Information → Formation → Transformation
  - └ Intellectual    └ Holistic    └ Social
  - (Emotional)    (Values)
- ▶ University of Central America (UCA): El Salvador –
- ▶ Research on: Effects of War and Poverty
- ▶ Nov 1989: Six Jesuits + House Maids assassinated by Military

# Jesuit Contribution to Spirituality

- ▶ **The Spiritual Exercises:** 2x15 mts and 2x30 days formation
- ▶ **Contemplation:** Imagination – Inner Movement – Decision – Execution
- ▶ **Inner decides the outer:** investing one's heart and energy
- ▶ **Formation:** Intellectual, Affective, and effective (union of mind, heart, and hand)
- ▶ **Contemplation in action** (Imagination in Prayer) – Faith that does justice

# Jesuits: all for all

- ▶ Working Jesuits in East Berlin
- ▶ Taxi drivers in France
- ▶ Circus clowns in the USA (Nick Weber in Santa Clara etc)
- ▶ Speechwriters for Popes and US Presidents
- ▶ Eg: **Nell von Breuning** – *Rerum Novarum* (Leo XIII)
- ▶ John McLaughlin for President Nixon
- ▶ Jon Favreau for President Obama
- ▶ Oscar award for best documentary (Fr Ron Schmidt: *The Labyrinth*)
- ▶ Human rights activists (Daniel Berrigan in USA)
- ▶ First Asian Zen Master (Fr AMA Samy)



Nick Weber



# Jesuit alumni: Global Leaders

- ▶ **Rene Descartes and Michel Foucault** – French Philosophers
- ▶ **Martin Heidegger** - German Philosopher
- ▶ **Hans Kueng and Karl Rahner and Henri de Lubac** – German and French Theologians
- ▶ **Voltaire** (François-Marie Arouet) – French Enlightenment Writer, Historian, and Philosopher
- ▶ **Alfred Hitchcock** – British Film Director
- ▶ Popes Benedict XIV, Innocent XI, Pius XI, Pius XII, Paul VI, John Paul I, and Pope Francis
- ▶ **Fidel and Raul Castro** – Former and Present Presidents of Cuba

# Jesuit alumni: Global Leaders

- ▶ **Julius Nyerere** – First Tanzanian President (alumnus of Loyola College, Chennai)
- ▶ **Robert Mugabe** - President of Zimbabwe
- ▶ **Tony Abbott** – Former Australian Prime Minister
- ▶ **Pierre Elliott Trudeau** - Former Prime Minister of Canada
- ▶ **Bill Clinton and Lyndon B Johnson** – Former US Presidents
- ▶ **Vicente Fox** - President of Mexico
- ▶ **Charles de Gaulle** - Former President of France
- ▶ **Park Geun-hye** - President of South Korea
- ▶ **Edward Fenech Adami and Guido de Marco** – Former Prime Minister and President of Malta
- ▶ **Benigno Aquino III and Gloria M Arroyo** – Former Philippine Presidents
- ▶ **Jean-Luc Dehaene** - Former Belgian Prime Minister
- ▶ **Mauricio Funes** - President of El Salvador

# Jesuit alumni: Global Leaders

- ▶ **Eduardo López de Romaña and Alejandro Toledo** - Presidents of Peru
- ▶ **Ruud Lubbers** - former Prime Minister of the Netherlands
- ▶ **Sir Frederick Weld** - former Prime Minister of New Zealand
- ▶ **Ian Alda** - American movie Actor and TV star
- ▶ **Ivo Andric (Yugoslavia), James Joyce (Ireland), and Maurice Maeterlinck (Belgium)** – Authors and Nobel laureates
- ▶ **Joseph Murray** - American Surgeon and Nobel Laureate
- ▶ **William Casey** - American former Director of the CIA
- ▶ **Andrew Cuomo** – Former Governor of New York State
- ▶ **Sir Arthur Conan Doyle** - Author of the Sherlock Holmes detective Stories
- ▶ **Timothy Egan, Loretta Tofani, and Edward Jones** - Pulitzer Prize–winning writers
- ▶ **Carlos Ghosn** - CEO of Renault and Nissan Motors



# Jesuit alumni: Global Leaders

- ▶ **Anne M. Mulcahy** – Former Chairman and CEO of Xerox
- ▶ **Paul Otellini** - President of Intel Corporation
- ▶ **Carter Ham** – General (US Army)
- ▶ **John Leahy** - Chief Operating Officer of Airbus
- ▶ **Mark Thompson** - Director General of the BBC
- ▶ **Lisa Madigan and John Mitchell** – US Attorney Generals
- ▶ **Thomas O'Neill** – Former Speaker of US Senate
- ▶ **Claudio Teehankee** – Former Chief Justice of the Philippines
- ▶ **Edward Douglass White** - Ninth Chief Justice of the United States Supreme Court

# Jesuit alumni (India/Tamilnadu)

- ▶ **R. Venkataraman and Abdul Kalam** – Former Presidents of India
- ▶ **Jyoti Basu** – Communist Party Leader and former Chief Minister of West Bengal
- ▶ **Viswanathan Anand** – Indian Chess Grandmaster
- ▶ **Anand and Vijay Amrithraj** - Tennis
- ▶ **Rahul Dravid and Sourav Ganguly** - Former Indian Cricket Captains
- ▶ **Zakir Hussain** - Indian Musician
- ▶ **N. Ram** – Chief Editor of The Hindu
- ▶ **Other galaxy of Jesuit alumni**

# Basic Assumptions of Jesuit Mission

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- Each one is a potential leader
- Each one is unique and has something to offer to the society
- **Focus of Jesuit Mission:** Empowerment of the Marginalized
- **Key of empowerment:** education
- To go where there is greater need (Road is home)
- To do what is most needed for the people (no fixed mission for Jesuits)
- Finding finger of God and deciphering signs/needs of times



# Propelling Dynamism

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- Three Questions:
  - What have I done?;
  - What am I doing?; and
  - What ought I to do?

**To do ever more and ever better for  
the needy and the marginalized**

# Ultimate Goal

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- Other-centered life: social responsibility
- Life: fruitful and joyful
- Fruitful/useful for others
- Not money and power but happiness
- Joyful within oneself: listen to your heart
- Let the light of my joy shine in the good works for others



# Thank You

