

**THE END OF TIME**

**a film by**  
Peter Mettler

**produced by**  
Cornelia Seidler  
Ingrid Veninger

Brigitte Hofer  
Gerry Flahive

**a maximage grimthorpe film**

**in co-production with**  
the National Film Board of Canada  
SRF  
SRG SSR  
ARTE G.E.I.E.

**cinematography, writing, editing, sound design**  
Peter Mettler

**in collaboration with**

Roland Schlimme  
**editing**

Alexandra Rockingham Gill  
**story editing**

Peter Bräker  
**sound design**

Gabriel Scotti and Vincent Hänni  
**original music**

Florian Eidenbenz, Magnetix  
**sound mix**

Patrick Lindenmaier, Andromeda  
**picture design**

Camille Budin  
Nick De Pencier  
**additional camera**

Steve Richman  
Mich Gerber  
Dominik Fricker  
**location sound recording**

**appearances in the film include**

**Switzerland**  
George Mikenberg  
Henry Flora  
Freya Blekman  
Claire Timlin  
Federico Antinori

**Hawaii**

Mitzi

Jack Thompson

Donald G Weir

The Traditional Singers and Dancers of Halau i Ka Pono:

June Y Tanoue with Kiku Sakai

Leina'ala Dietmeyer, Erika Comrie

Caren Loebel-Fried, Mariko Gordon

Sharlene Wong, Mindy Mazal

Yvette Wynn, John-Mario Sevilla

**Detroit**

Richie Hawtin

Jacob Monte Longo Martinez

Nai Savoir Moran Martinez

Kinga Osz-Kemp

Andrew Kemp

**Bodhgaya**

Rajeev Agrawal

The Family of Manoj Kumar

**Toronto**

Julia Mettler

**additional voices heard**

Dr. Michelangelo Mangano

Jean-Charles Cuillandre

Eamon MacMahon

Allison Maree Austin

Peter Mettler

Eric Froh

Blake Carroll

Kazmira Flanagan

Chimi "Prostration Man"

Shechen Rabjam Rinpoche

**Executive Producers**

Peter Mettler

Silva Basmajian

**Associate Producer**

Tess Girard

**Financial Support**

Bundesamt für Kultur

Zürcher Filmstiftung

SRF

SRG SSR

ARTE G.E.I.E.

Kulturfonds SUISSIMAGE

SSA Drehbuchpreis

Succès Cinéma

Succès Passage Antenne

**Commissioning Editors**

Urs Augstburger (SRF)

Urs Fitze (SRG SSR)

Christian Cools (ARTE G.E.I.E.)

### **Locations**

CERN Particle accelerator Geneva, Switzerland  
Spiegelberg, Switzerland  
St.Anton, Switzerland  
Royal Gardens, Kilauea Volcano, Hawaii  
Mauna Kea Observatories, Hawaii  
The Farnsworth Community, Detroit USA  
Detroit Electronic Music Festival 2010  
Bhutanese Temple, Royal Bhutan Monastery, Bodhgaya India  
Mahabodhi Temple, Bodhgaya India  
MacGregor Bay, Ontario Canada  
Singhampton Caves, Ontario Canada  
Mt. Arenal and the Pacific Ocean, Costa Rica

### **Quotations and Inspirations**

Christopher Dewdney  
Peter Russell  
Sir Martin Rees  
Albert Einstein  
Fjodor Dostojewski

### **Research**

Isabelle Rousset  
Emma Davie  
Aspa Tzaras  
Steve Richman  
Emma Marxer

### **Research and Coordination India**

Brigitte Reisz

### **Editorial Consultants**

Peter Weber  
Michelle Latimer  
Jeremy Narby

### **Voice Over Co-writer**

Alexandra Rockingham Gill

### **Image Mixing**

Peter Mettler using Touch Designer software  
Supported by Greg Hermanovic, Derivative Inc

### **Harmonia**

Music composed and performed by Christos Hatzis and Bruno Degazio  
Motion picture images created by Bruno Degazio

### **Additional Sound Design and Visual Effects**

Roland Schlimme

### **Assistant Editing**

Tess Girard  
Dan Browne

### **Post Production Consultant**

Chris Wiseman

### **Post Production Coordination**

Thomas Krempke  
Tina Witham

**Production Assistants**

Jake Chirico  
Nadine Lüchinger  
Kathrin Frei

**Stagiare**

Camille Budin

**Roll Credits**

Brigae Haelg

**Additional Compositing**

Andrew Rolfe  
Track & Field VFX

**Additional Motion Graphics**

Laine Groeneweg

**Additional Crowd Cinematography DEMF**

Tess Girard  
Dan Browne

**for National Film Board of Canada**

**Production Supervisor** Mark Wilson  
**Technical Coordinator** Marcus Matyas  
**Production Coordinator** Rachel Punwassie  
**Centre Administrator** Josiah Rothenberg

**Insurance**

cultureONE Inc.  
Steve Beatty, President  
Deborah Tiffin, Account Director

**Legal**

Eric Birnberg, Lewis Birnberg Hanet, LLP  
Kai-Peter Uhlig, Werder Vigano

**With Special Thanks to**

Alfred and Julia Mettler, Michelle Latimer  
Eamon MacMahon, Elysha Poirier, Mark Ellam, Lou Solakofski, Greg Hermanovic  
Tom Perlmutter, Cindy Witten, Kelley Alexander, Christina Rogers

**And**

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Niklaus Zumstein, U. Hterinda, Saw Hlut Sandar, Ven Neyadhamma, Gelek Gaptan, Gelongma Ngawang, Chökye Palmo, Emchi Choenzom, Karma Gellek, Michael Brickmann

Paul Weertz, 555 Arts, Erin Moran, Olayme Dabl's African Bead Gallery, Tony Lafferty, Billy Voo, Katrin Schlotfeldt, Franziska Eichler, Ali Demirel, Jarrett Smith

Bruce McDonald , Henry Jesionka, Hallie Switzer, John Switzer, Artur Liebhart, Bea Cuttat, Verena Schoch, Alpenhof, Mara Zuest, Redlab Toronto, Noe Marti, Peter Liechti, Gabriela Bussmann, Luciano Rigolini, Reto Stamm, Jean Perret, Peter Brosens and Jessica Woodworth, Morning Glory, Lester B, Andrea Nann, Stephanie Ede, Helga Marinzel, Jody Shapiro, Michael Helm, Anna Sapershteyn, Leanne Stockwell, Mike Lambert, Gisèle Gordon, Atom Egoyan, Sean Farnel, Jeremy Podeswa, Peter Ritchie, Werner Penzel, Lesley Barber, Tom Kuo, Helen Yung, Markus Heckman, Mark Achbar, Anne Bourne, Gregor Hagey, Mike Hoolboom, Jeff Warren, Sam Saad, Heather Frise, James Walkowiak, Robin Mckenna, Jeronimo M.M., Yves Scagliola, Jennifer Fox, Kaleo La Belle, Michael Copeland, Bill, Jenn and Zach Nesbitt, Spencer Tripp and Laura Severniac, Marcus Schubert and Sara Angelucci, Debby Jean, Carly DeLoach, Casa Punta Banco

### **Footage Excerpts**

"Mauna Kea timelapse segment", excerpted from the scenic film "Hawaiian Starlight" CFHT 2011  
[www.cfht.hawaii.du/hs](http://www.cfht.hawaii.du/hs) © 2001-2008 J.-C.Cuillandre

"cosmic particles" copyright 2008 by Herbert Giller - Rigdrol-Video  
Thanks to the nuclear power plant's visitors center in Leibstadt, Switzerland

Additional Footage Kilauea Eruption: Tropical Visions Video, Inc.

Excelsior I, II, III, Captain Joseph Kittinger's Jump 1957, 1959, 1960  
Moving Images from the Department of Defense, United States Air Force  
National Archives and Records Administration (NARA) / Motion Picture, Sound, and Video Records Section

Particle Accelerator Stock Images / Created and provided by CERN

Video courtesy of the Image Science & Analysis Laboratory, NASA Johnson Space Center

NASA SOHO Solar Flares / Created and provided by NASA

### **Music Rights**

#### **"Ask Yourself"**

Performed by Plastikman,  
Live at DEMF 2010

Music and Lyrics by Richard Hawtin © 2003

Produced by Plastikman

Licensed courtesy of Minus Inc and Plastikprodukt  
Q&A Music Rights Administration Inc (SOCAN)

#### **"Mind In Rewind"**

Performed by Plastikman,  
Live at DEMF 2010

Music and Lyrics by Richard Hawtin © 2003

Produced by Plastikman

Licensed courtesy of Minus Inc and Plastikprodukt  
Q&A Music Rights Administration Inc (SOCAN)

#### **"Psyk"**

Performed by Plastikman,  
From the album Artifakts (bc)

Music and Lyrics by Richard Hawtin © 1998

Produced by Plastikman

Licensed courtesy of Minus Inc and Plastikprodukt  
Q&A Music Rights Administration Inc (SOCAN)

#### **"Overand"**

Performed by Autechre

Written by Rob Brown and Sean Booth

Published by Warp Music Publishing

Courtesy of Warp Records Ltd.

**"Layering Buddha"**

Performed by Robert Henke  
From the album "Layering Buddha Live" 2008  
Music by Robert Henke © Imbalance Computer Music  
Produced by Robert Henke  
Licensed courtesy Imbalance Computer Music / www.roberthenke.com  
By arrangement with Visions From The Roof

**"Nuuk"**

Performed and composed by Thomas Köner  
From the soundtrack of the video NUUK, directed by Thomas Köner  
Produced by Thomas Köner 2004  
Licensed courtesy Thomas Köner

**"No Luna i Ka Hale Kai"**

Performed by Halau i Ka Pono  
Music and Lyrics Traditional, Public Domain

**"Turkey In the Straw"**

Performed by Nichols Electronics Inc.  
Permission granted by Nichols Electronics Inc., Mark Nichols  
Music and Lyrics Public Domain

**"Amniotik Time"**


Performed by Costanza  
Music written & produced by Costanza Francavilla  
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