

FRAENKEL

49 GEARY STREET SAN FRANCISCO 94108 415 9812661

BERND & HILLA BECHER

Bernd Becher

20 August 1931 – 22 June 2007

Born in the Siegen District, Germany

Studied at the Academy of Arts, Stuttgart & Düsseldorf, Germany

Began photographing industrial buildings in 1956

Hilla Becher

2 September 1934 – 10 October 2015

Born in Berlin, Germany

Studied at the Academy of Arts, Düsseldorf, Germany

Began working together in 1959

AWARDS

2014

Großer Kulturpreis, Sparkassen-Kulturstiftung Rheinland; awarded to Hilla Becher

2004

Hasselblad Award, Hasselblad Foundation

2002

Erasmus Prize, Praemium Erasmianum Foundation

Preisträger Kultursalon Düsseldorf e.V.

1994

Goslarer Kaiserring

1990

La Biennale di Venezia International Prize – Golden Lion, for sculpture

1985

The Cultural Award, German Society for Photography

SELECTED INDIVIDUAL EXHIBITIONS

2022

Bernd & Hilla Becher, The Metropolitan Museum of Art, New York (traveling), SFMOMA

2019

Bernd & Hilla Becher. Industrial Visions, National Museum Cardiff, Wales, United Kingdom

Bernd & Hilla Becher: 1962-2000, PKM Gallery, Seoul, Korea

Bernd & Hilla becher – Kohlebunker, Museum Kunstarchiv Kaiserwerth, Düsseldorf

2018

Bernd & Hilla Becher, Konrad Fischer Galerie, Berlin, Germany

2014

Bernd & Hilla Becher, Fotografien aus fünf Jahrzehnten, Konrad Fischer Galerie, Düsseldorf

Bernd & Hilla Becher, Sprüth Magers, London

2013

Hochofenwerke, Photographische Sammlung der SK Stiftung Kultur, Cologne, Germany

Dia Art Foundation, New York

Siegerländer Fachwerkhäuser, Orts- und Dorfansichten des Siegerlandes, Siegerländer Gruben und hütten, Holzfördertürme in Pennsylvania, Museum für Gegenwartskunst, Siegen

Bernd & Hilla Becher: Imprimés 1964-2013, Fondation A Stichting, Brussels, Belgium

2012

galerija TR3, Ljubljana, Slovenia

Coal Mines, Steel Mills, Galerie Rudolfinium, Prague

Bernd & Hilla Becher, Sonnabend Gallery, New York

Bernd & Hilla Becher. Imprimés 1964-2010, Grand Palais, Paris

2011

Bergwerke und Hütten – Industrielandschaften, Fotomuseum Winterthur

Blick in die Sammlung: Bernd und Hilla Becher, Die Photographische Sammlung/SK Stiftung Kultur, Cologne

Siegerländer Fachwerkhäuser, Museum für Gegenwartskunst, Siegen

Bernd et Hilla Becher, Pôle image Haute-Normandie, Rouen

Bergwerke und Hütten, Fotomuseum im Münchner Stadtmuseum, Munich

2010

Konrad Fischer Galerie, Düsseldorf

Bergwerke und Hütten, Quadrat Bottrop, Josef Albers Museum, Bottrop

Imprimés 1964-2010, Musée de l'Elysée, Lausanne

2009

Bernd e Hilla Becher, Museo Morandi, Bologna

Konrad Fischer Galerie, Berlin

A survey 1972-2006, Fraenkel Gallery, San Francisco

The Grid: Bernd and Hilla Becher, Nevada Museum of Art, Reno

2008

Landscape/Typology, Museum of Modern Art, New York

Basic Forms, Getty Museum, Los Angeles

2007

Fachwerkhäuser, Industrielandschaften, Getreidsilos, Schirmer/Mosel Showroom, Munich

Sonnabend Gallery, New York

2006

Typologies anciennes, Musée des Arts Contemporains, Hornu, Belgium

Zeche Concordia, SK Stiftung Kultur, Cologne, Germany

2005

Typologien industrieller Bauten, Museum für Fotografie im Hamburger Bahnhof, Berlin

Basic Forms of Industrial Buildings – Bernd & Hilla Becher, Kunsthalle Brandts Klaedefabrik, Odense,
Denmark

The Basic Shapes of Industrial Building, Nasjonalgalleriet, Oslo, Norway

2004

Bernd et Hilla Becher, Centre Pompidou, Paris

Bernd and Hilla Becher – 2004 Hasselblad Award Winner, Hasselblad Center, Goeteborg

Typologien industrieller Bauten, HDK – Haus der Kunst, Munich

Early Works, André Simoens Gallery, Knokke-Zoute

2003

Industrial Landscapes: Bernd & Hilla Becher, Fraenkel Gallery, San Francisco, CA

Typologien industrieller Bauten, Stiftung Kunstsammlung Nordrhein-Westfalen, Dusseldorf

Affinities...Now and Then, Kansas City Art Institute

2002

Bernd & Hilla Becher, Sonnabend Gallery, New York

Industriële Structuren werk van Bernd & Hilla Becher, Stedelijk Museum, Amsterdam

Bernd & Hilla Becher, Huis Marseille, Amsterdam

Bernd & Hilla Becher, Noorbrabants Museum, Den Haag

2001

Häuser, Centre de la photographie, Geneva

1999

Bernd & Hilla Becher, Sonnabend Gallery, New York, NY

Bergwerke, Objekt und Beschreibung, SK Stiftung Kultur, Cologne

1996

Bernd & Hilla Becher, Fraenkel Gallery & Daniel Weinberg Gallery, San Francisco, CA

Bernd & Hilla Becher, Brazos Bookstore, Houston

Bernd & Hilla Becher, Albright-Knox Art Gallery, Buffalo

1995

Bernd & Hilla Becher, Sonnabend Gallery, New York, NY

Bernd & Hilla Becher, Grimaldis Gallery, Baltimore

1994

Typologies, Ydessa Hendeles Foundation, Toronto

Paul Strand, Bernd & Hilla Becher: Typologies, Gerald Peters Gallery, Santa Fe

Bernd & Hilla Becher, Olga Korper Gallery, Toronto

Bernd & Hilla Becher, Centre d'Art Contemporain, Fribourg

Bernd & Hilla Becher, Westfälisches Landesmuseum, Münster

1993

Bernd & Hilla Becher, Fraenkel Gallery, San Francisco, CA

Bernd & Hilla Becher, Sonnabend Gallery, New York, NY

1992

Bernd & Hilla Becher, Daniel Weinberg Gallery, Santa Monica, CA

Bernd & Hilla Becher, Kamakura Gallery, Tokyo, Japan

1991

Bernd & Hilla Becher, Fraenkel Gallery, San Francisco, CA

Kies, Sand, Basalt, Galerie Max Hetzler, Cologne, Germany

Bernd & Hilla Becher, Galerie Pierre Huber, Geneva, Switzerland

Bernd & Hilla Becher, Ascan Crone, Hamburg, Germany

Bernd & Hilla Becher, Primo Piano, Rome, Italy

1990

Bernd & Hilla Becher, Sonnabend Gallery, New York

Bernd & Hilla Becher, Achenbach, Frankfurt, Germany

Typologies, XLIV Venice Biennial, Italy; Kolnischer Kunstverein, Cologne,

Germany, Carpenter Center for the Visual Arts, Harvard University, Cambridge, MA; Cleveland Center for

Contemporary Art, Cleveland, OH

1989

Bernd & Hilla Becher, Daniel Weinberg Gallery, Los Angeles, CA

Bernd & Hilla Becher, Palais des Beaux Arts, Brussels

Bernd & Hilla Becher, Dia Art Foundation, New York

American Buildings & Others, Urbi et Orbi Galerie, Paris, France

1988

Bernd & Hilla Becher, Sonnabend Gallery, New York, NY

Häuser, Bei Konrad Fischer, Düsseldorf, Germany

Watertowers, Kunstverein, Munich, Germany

Bernd & Hilla Becher, MAGASIN – Centre National d'arts et de cultures, Grenoble

Bernd & Hilla Becher, Palais des Beaux Arts, Brussels, Belgium

1986

Bernd & Hilla Becher, Carnegie Mellon University Art Gallery, Pittsburgh, PA

Bernd & Hilla Becher, Kamakura Gallery, Chuo-ku, Tokyo, Japan

Bergwerke, Architekturmuseum, Basel, Germany

1985

Bernd & Hilla Becher, Sonnabend Gallery, New York, NY

Bernd & Hilla Becher, Museum Folkwang, Essen, Germany

Bernd & Hilla Becher, Musée d'Art Modern Liege

Bernd & Hilla Becher, Castello di Rivoli, Torino

Musee d'Art Moderne, Liege, Belgium

1983

Bernd & Hilla Becher, Sonnabend Gallery, New York, NY

Bernd & Hilla Becher, Freedman Gallery, Albright College Reading, PA

1982

Bernd & Hilla Becher, Carol Taylor, Dallas, TX

Bernd & Hilla Becher, Sonnabend Gallery, New York, NY

1981

Bernd & Hilla Becher, Kunstverein Seigen, Seigen

Arbeiten 1957-1981, Van Abbemuseum, Eindhoven, The Netherlands

1980

Bernd & Hilla Becher, Galerie Konrad Fischer, Düsseldorf, Germany

Bernd & Hilla Becher, Galerie Vega, Liege, Belgium

Bernd & Hilla Becher, Westfälisches Landesmuseum, Munich, Germany

Bernd & Hilla Becher, Fachhochschule und Hoshschule für Bildende Künste, Hamburg, Germany

1979

Bernd & Hilla Becher, Galerie Sonnabend, Paris, France
Bernd & Hilla Becher, Kunstbibliothek Tranegarden, Copenhagen
Bernd & Hilla Becher, Galleria Massimo Valsecchi, Milan, Italy
Bernd & Hilla Becher, Kunstraum, Munich, Germany
Bernd & Hilla Becher, Galerie Schjweinebraden, Berlin, Germany

1978

Bernd & Hilla Becher, Sonnabend Gallery, New York
Bernd & Hilla Becher, Milwaukee Art Center, Milwaukee, WI
Bernd & Hilla Becher, Von der Heydt-Museum, Wuppertal

1977

Bernd & Hilla Becher, Sonnabend Gallery, New York
Ink, Crex Collection, Zurich, Switzerland
Bernd & Hilla Becher, Galerie Tanit, Munich, Germany

1976

Bernd & Hilla Becher, Kunsthalle Tübingen, Tübingen, Germany
Bernd & Hilla Becher, Konrad Fischer Gallery, Düsseldorf, Germany
Bernd & Hilla Becher, Galleria Forma, Genova, Italy
Bernd & Hilla Becher, Galerie Presig, Basel, Germany

1975

Projects: Bernd and Hilla Becher, Museum of Modern Art, New York, NY
Photographien 1957-1975, Rheinisches Landesmuseum, Bonn, Germany
Bernd & Hilla Becher, Daniel Weinberg Gallery, San Francisco, CA
Bernd & Hilla Becher, Galerie Sonnabend, Paris, France
Bernd & Hilla Becher, Gallerie Alessandra Castelli, Milan, Italy

1974

Bernd & Hilla Becher, Arts Council of Great Britain (traveling to British Museums)
Bernd & Hilla Becher, La Jolla Museum of Contemporary Art, La Jolla, CA
Bernd & Hilla Becher, The Contemporary Arts Center, Cincinnati, OH
Bernd & Hilla Becher, National Gallery of Canada, Ottawa, Canada
Bernd & Hilla Becher, Wadsworth Atheneum, Hartford, CT
Bernd & Hilla Becher, Kabinett für Aktuelle Kunst, Bremerhaven, Germany
Bernd & Hilla Becher, Sonnabend Gallery, New York, NY

1973

Bernd & Hilla Becher, Galerie Sonnabend, Paris, France

Bernd & Hilla Becher, Gallery de Brussels, Brussels, Belgium

Bernd & Hilla Becher, Konrad Fischer Gallery, Dusseldorf, Germany

Bernd & Hilla Becher, Galeria Forma, Genova, Italy

Bernd & Hilla Becher, Galleria Lucio Amelio, Naples, Italy

1972

Bernd & Hilla Becher, Sonnabend Gallery, New York, NY

Bernd & Hilla Becher, *Morphologies and Anonymous Sculptures*, International Museum of Photography,
Rochester, NY

Bernd & Hilla Becher, Nigel Greenwood Gallery, London, England

Bernd & Hilla Becher, Bennington College

1971

Bernd & Hilla Becher, Kabinett für Aktuelle Kunst, Bremerhaven, Germany

Vergleiche technischer Konstruktion, Gegenverkehr, Aachen, Germany

1970

Bernd & Hilla Becher, Städtisches Museum, Ulm, Germany

Form Genom Funktion, Moserna Museet, Stockholm, Sweden

1969

Anonyme Skulpturen. Formvergleiche industrieller Bauten, Städtisches Kunsthalle, Dusseldorf, Germany

1968

Industrial Buildings 1830-1930, Fisher Gallery, University of Southern California, Los Angeles; Städtisches
Museum Abteiberg, Mönchengladbach

Bernd & Hilla Becher, Goethe Center, San Francisco, CA

Bouwen voor de Industrie, Stedelijk Van Abbemuseum, Eindhoven, The Netherlands

Bernd & Hilla Becher, Galerie Ruth Nohl, Siegen, Germany

1967

Industriebauten 1930-1930 – Eine photographische Dokumentation von Bernd und Hilla Becher, Die Neue
Sammlung, Munich, Germany; Staatliches Museum für Angewandte Kunst, Munich, Germany

Bernd & Hilla Becher, Technische Hochschule, Karlsruhe

Bernd & Hilla Becher, Bergbaumuseum, Bochum

Bernd & Hilla Becher, Kunstakademie, Copenhagen

1966

Bernd & Hilla Becher, Staatliche Kunstakademie, Düsseldorf, Germany

1965

Bernd & Hilla Becher, Galerie Pro, Bad Godesberg, Germany

1964

Bernd & Hilla Becher, Galerie Ruth Nohl, Seigen, Germany

SELECTED GROUP EXHIBITIONS**2022**

Deutscher Kaviar. Die fotografische Sammlung, Kunstmuseum Bonn

2021

*'werden / divenire. L'Accademia delle Arti del Disegno di Firenze undn die Kunstakademie Düsseldorf,
Tiroler Landesmuseum Ferdinandeum, Innsbruck*

Minimal / Conceptual, Kawamura Memorial DIC Museum of Art, Sakura

Mirrors and Windows, Sammlung Philara, Düsseldorf

Scratching the Surface, Hambruger Bahnhof – Museum für Gegenwart, Berlin

Von Becher bis Blume, SK Stiftung Kultur / Die Photographische Sammlung, Cologne

2020

Subjekt und Objekt. Foto Rhein Ruhr, Kunsthalle Düsseldorf

Kleine Geschichte(n) der Fotografie (#2), Sprengel Museum Hannover

2019

*Subjects of Life – Photography in the Mudam Collection, Musée d'Art Moderne Grand-Duc Jean,
Luxembourg*

2018

Bernd and Hilla Becher in dialogue with Carl Andre and Sol Lewitt, Paula Cooper Gallery, New York, NY

*Art Conceptuel: Collections Du Musée, Musée D'art modern Et Contemporain, Saint-Etienne Metropole,
France*

*Picture Industry: A Provisional History of the Technical Image, 1844-2018, curated by Walead Beshty,
LUMA Foundation for the Parc des Ateliers, Arles, France*

2016

*Wolke und Kristall – Die Sammlung Dorothee und Konrad Fischer, Kunstsammlung Nordrhein-Westfalen,
Dusseldorf*

*WITH A TOUCH OF PINK – WITH A BIT OF VIOLET – WITH A HINT OF GREEN – Dorothee Fischer in
memoriam, Konrad Fischer Galerie, Dusseldorf*

*Der Typologische Blick -Ausstellung für Hilla Becher, Die Photographische Sammlung/SK Stiftung Kultur,
Köln*

2015

Summer Show, Konrad Fischer Galerie Berlin

Open Water, Galerie Ludorff, Dusseldorf

Addictive Logic, Barbara Krakow Gallery, Boston

Käfer, Crash & Capri-Batterie. Wie Künstler Technik sehen. Die Sammlung Schiffer,
Kunsthalle Göppingen / Schloss Filseck, Uhingen

#collezionemart, Mart Trento e Rovereto, Verona

Art Eco Deel II: Architectuur, Cultuurcentrum Strombeek Grimbergen, Strombeek

Constructing Worlds: Photography and Architecture in the Modern Age, Swedish
Centre for Architecture and Design, Stockholm

2014

Reines Wasser - Die kostbarste Ressource der Welt, Lentos Kunstmuseum, Linz

Constructing Worlds: Photography and Architecture in the Modern Age, Barbican
Art Gallery, London

Love Story - The Anne and Wolfgang Titze Collection, 21er Haus, Vienna

Käfer, Crash & Capri-Batterie, Kunstmuseum Mülheim an der Ruhr
Collection Presentation, SMAK, Gent

The Tears of Things, Fundación Helga de Alvear, Cáceres

2013

Postwar German Art in the Collection Saint Louis Art Museum, St. Louis Art Museum, St. Louis, MO

Werke aus der mumok, Sammlung MUMOK Wien

Schenkung Herbert Lange. Fotografien 1925 – 2009, Kunstsammlungen Chemnitz,
Chemnitz

Neue Galerie - neu gesehen: Sammlung + documenta-Erwerbungen, Neue Galerie,
Kassel

2012

Fotografie total. Werke aus der Sammlung des MMK, Frankfurt a.M.

L'homme de Vitruv, Centre d'art contemporain d'Ivry, Ivry sur Seine

A meno di non ricorrere a una fotografia, M&D arte, Gorgonzola

Landschaft als Weltsicht, Kunstsammlungen Chemnitz

Manifesta 9, Koolmijn van Waterschel-Genk, Genk

Mensch Maschine: Automatenseelen/Seelenautomaten, Kunsthalle Darmstadt

At home - Der Blick durchs Schlüsselloch, Ludwig Galerie, Schloss Oberhausen

1, 2, 3: von A bis Z grafische Folgen, Städtische Galerie Villa Zanders, Bergisch
Gladbach

De la Generosidad. Obras de la coleccion Helga de Alvear, Centro Galego de Arte Contemporanea, Santiago de Compostela
Der Mensch und seine Objekte, Museum Folkwang, Essen
Reconsidering the Photographic Masterpiece, UNM Art Museum, University of New Mexico, Albuquerque
Beuys, Warhol, Polke & Co - 40 Jahre, Kunsthalle Tübingen, Kunsthalle Tübingen
Conversations: Photography from the Bank of America Collection, Irish Museum of Modern Art IMMA, Dublin
Par Par S E T, The Barbara Krakow Gallery, Boston
 Monte Clark Gallery, Vancouver
open spaces - secret places, Museum der Moderne Mönchsberg, Salzburg
Stadt und Land, Konrad Fischer Galerie, Düsseldorf

2011

Photography Calling!, Sprengel Museum, Hannover
The Life and Death of Buildings, Princeton University Art Museum Princeton, NJ
Ileana Sonnabend, An Italian Portrait, Sonnabend Gallery, New York, NY
Bernd & Hilla Becher – Hiroshi Sugimoto, Springer & Winckler Galerie, Berlin, Germany
Conversations: Photography from the Bank of America, Museum of Fine Arts, Boston

2010

New Topographics: Photographs of a Man-Altered Landscape, San Francisco Museum of Modern Art, San Francisco
Picture by Women: A history of Modern Photography, Museum of Modern Art, New York, NY
Photographic Typologies, Tate Modern, London
Furthermore: 30th Anniversary Exhibition, Fraenkel Gallery, San Francisco, CA
Haunted: Contemporary Photography/Video/Performance, Solomon R. Guggenheim Museum, New York NY
Rupture and Continuities: Photography Made after 1960 from the MFAH Collection, Museum of Fine Arts Houston, Texas

2009

Objectivités – La photographie de Dusseldorf, Musée d'Art Moderne de la Ville de Paris, Paris
A Few Frames: Photography and the Contact Sheet, Whitney Museum of American Art, New York, NY
Pete and Repeat – Works from the Zabudowicz Collection, Zabudowicz Collection London
Art of Two Germanys/Cold War Culture, Los Angeles County Museum of Art, Los Angeles, CA

2008

Sol LeWitt x2, Austin Museum of Art, Austin, TX

Second Thoughts, Hessel Museum of Art & Center for Curatorial Studies Galleries at Bard College,
Annandale-on-Hudson, New York, NY

Art Now: Recent Acquisitions in Film/Video, Middlebury College Museum of Art, Middlebury, VT

2007

German Photography, Museum of Fine Arts Boston, Boston, MA

Conceptual Photography 1964-1989, Zwirner & Wirth, New York, NY

Contemporary Outlook: German Photography, MFA - Museum of Fine Arts, Boston

2006

Shifting Terrain. Contemporary Landscape Photography, The Wadsworth Atheneum Museum of Art,
Hartford, CT

Peintres de la vie modern Modern-life painters, Centre Pompidou – Musée National d'Art Moderne, Paris

Several Exceptionally Good Recently Acquired Pictures XVIII, Fraenkel Gallery, San Francisco, CA

2005

L'Ombre du temps, Galerie Nationale du Jeu de Paume, Paris

In Focus – Themes in Photography, Albright-Knox Art Gallery, Buffalo, NY

The Last Picture Show – Artists Using Photography, 1960-1982, Hammer Museum, Los Angeles, CA

2003

Photographs of the Twentieth Century, Tate Modern, London

Categorically Speaking, Museum of Contemporary Art Chicago, Chicago, IL

2002

Documenta 11, Kassel, Germany

In Collection, Stedelijk Museum, Amsterdam

From Pop to Now: Selections from the Sonnabend Collection, The Frances Young Tang Teaching Museum
and Art Gallery at Skidmore College, Saratoga Springs, NY

Paisajes contemporáneos, Fundació Foto Colectania, Barcelona

2001

Pathos der Sachlichkeit - Industrielandschaft in Meisterwerken der Fotografie, Ludwig Galerie Schloss
Oberhausen

Robert Smithson/Berndt and Hilla Becher - Field Trips, Museu Serralves - Museu de Arte Contemporânea,
Porto

2000

How you look at it, Fotografien des 20. Jahrhunderts, Sprengel Museum, Hannover, Germany

Voilà- Le monde dans la tête, Musée d'Art Moderne de la Ville de Paris, Paris

Art at Work: Forty Years of the Chase Manhattan Collection, Queens Museum of Art, New York

SELECTED PUBLICATIONS

2022

Bernd & Hilla Becher, Metropolitan Museum of Art

1995

Industrial Facades, The MIT Press

1993

Gas Tanks, The MIT Press

1992

Photography in Contemporary German Art: 1960 to the Present, Walker Art Center

1991

Pennsylvania Coal Mine Tipples, DIA Center For the Arts (English Edition);

Schmirmer/Mosel Verlag (German Edition)

Typologies: Nine Contemporary Photographers, Newport Harbor Art Museum

1990

Blast Furnaces, The MIT Press

Water Towers, The MIT Press

Typologies, XLIV, essay by Klaus Bußmann, XLIV, Venice Biennale

1986

Bernd und Hilla Becher, Kamakura Gallery

1985

Fördertume Chevalements Mineheads, Museum Folkwang Essen

ARC/Musée d'Art Moderne de la Ville de Paris, France.

Musée d'Art Moderne de la Ville de Liege; essays by Zdenek Felix (Museum Folkwang Essen) &

Suzanne Page (Musée d'Art Moderne de la Ville de Paris, France).

1980

"Explorations in the 70's," essay by Robert Rosenblum, Pittsburgh Plan for Art

1970

Anonyme Skulpturen, Art Press & Wittenborn and Co.

SELECTED INSTITUTIONAL COLLECTIONS

Art Gallery of Ontario, Ontario, Canada

Centre Pompidou, Paris, France

Cincinnati Art Museum, Cincinnati, OH

Dallas Museum of Fine Arts, Dallas, TX
Denver Art Museum, Denver, CO
Fine Arts Museums of San Francisco, San Francisco, CA
Mr. & Mrs. Charles Gilman, New York, NY
Carol & Arthur Goldberg, New York, NY
Guggenheim Museum, New York, NY
La Jolla Museum of Contemporary Art, La Jolla, CA
Los Angeles County Museum of Art, Los Angeles, CA
Metropolitan Museum of Art, New York, NY
Modern Art Museum of Fort Worth, Fort Worth, TX
Museum of Modern Art, New York, NY
Massimi Valsecchi, Milan, Italy
Pilara Family Foundation, San Francisco, CA
San Francisco Museum of Modern Art, San Francisco, CA
SK Stiftung Kultur (Die Photographische Sammlung/SK Stiftung Kultur), Köln, Germany
Wallraf-Richartz Museum, Cologne, Germany
Ydessa Hendeles Art Foundation, Toronto, Canada

