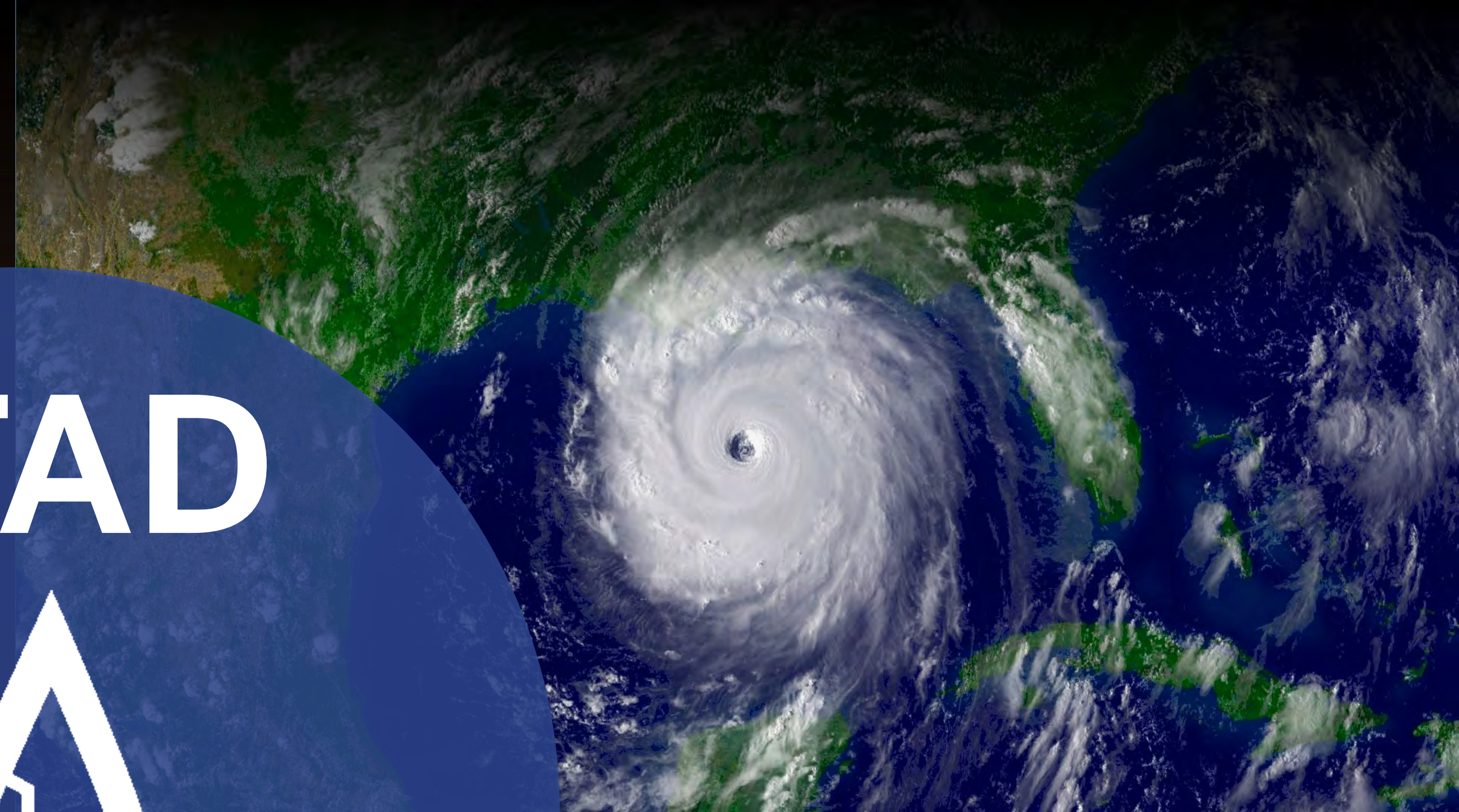


The background features a complex, abstract composition of overlapping, semi-transparent shapes in various colors including red, green, yellow, purple, and blue. These shapes are interconnected by thin, light-colored lines, creating a sense of depth and movement. The overall aesthetic is modern and artistic.

BEYOND ALL LIMITS: ETAD'S ACTIVITIES FROM HEAVY METALS TO MRSLs

Working together for safer colorants



ETAD



ECOLOGICAL AND TOXICOLOGICAL
ASSOCIATION OF DYES AND
ORGANIC PIGMENTS
MANUFACTURERS



1. A LOOK AROUND

ENVIRONMENT



INDUSTRY

AIR POLLUTION



INDUSTRY

WASTE WATER



SENSITIVE APPLICATIONS

HAZARDOUS SUBSTANCES IN TOYS



SENSITIVE APPLICATIONS

HAZARDOUS SUBSTANCES MIGRATING INTO FOOD



AUTHORITIES

REGULATIONS AND LAWS



CONSUMERS

REQUEST COLORS & PERFORMANCE



2. WHO ARE WE?

ETAD

HOW IT STARTED

MAY 1970, INTERNATIONAL SYMPOSIUM IN LINDAU, GERMANY: REALIZATION OF THE **POTENTIAL IMPACT ON THE ENVIRONMENT** CAUSED BY THE GROWING DEMAND OF COLORANTS

THE **LINDAU CIRCLE** (BASF, CIBA GEIGY, HOECHST, ICI AND SANDOZ) IS FORMED, WHICH DECIDES TO FOUND ETAD IN 1974

BASED IN BASEL, SWITZERLAND, AND WITH WORLDWIDE OPERATIONS, ETAD IS THE **VOICE OF SUSTAINABILITY IN THE DYES AND ORGANIC PIGMENTS INDUSTRY**

ETAD

OBJECTIVES

COORDINATE THE EFFORTS OF ITS MEMBERS TO MINIMIZE THE IMPACT ON HEALTH & ENVIRONMENT

COST EFFECTIVENESS WITHOUT COMPROMISING PROTECTION

HARMONISATION OF HEALTH AND ENVIRONMENTAL REGULATIONS

PROMOTION FOR PRODUCT STEWARDSHIP

REPRESENTATION AND ADVOCACY TOWARDS GOVERNMENT, AUTHORITIES, MEDIA AND THE PUBLIC

ENSURING GLOBAL COMPETITIVENESS

ORGANISATION

INTERNAL ACTIVITIES

REGIONAL MANAGEMENT

HEAD OFFICE

SECTOR MANAGEMENT

CHINESE OPERATING COMMITTEE (CHOC)

ETAD NORTH AMERICA (ETAD NA)

INDIAN OPERATING COMMITTEE (IOC)

JAPANESE OPERATING COMMITTEE (JOC)

TAIWANESE OPERATING COMMITTEE (TOC)

DYES OPERATING COMMITTEE (DOC)

PIGMENTS OPERATING COMMITTEE (POC)

REGULATORY AFFAIRS COMMITTEE (RAC)

ORGANISATION

EXTERNAL ACTIVITIES



P
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B
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C

REGIONAL COMMITTEES



SECTOR COMMITTEES



SUPPORT & SERVICES



M
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3. WHAT DO WE DO?

ETAD

CODE OF ETHICS

PRINCIPLES OF RESPONSIBLE CARE

COMMON HAZARD COMMUNICATION IN COUNTRIES WITH HIGH AND LOW REQUIREMENTS

REQUIREMENTS ON MANUFACTURE AND SALE OF CERTAIN HAZARDOUS COLORANTS:

- 1992: BAN OF BENZIDINE DYES
- 2006: NO MANUFACTURE AND SALE OF AZO DYES FOR CONSUMER USE WHICH CONTAIN OR RELEASE MORE THAN 0.1% OF CARCINOGENIC AMINES (GHS 1A & 1B) (*DOES NOT APPLY TO PIGMENTS*)
- 2016: MANDATORY IMPURITY LIMITS FOR DYES, CARCINOGENIC AMINES LIMIT LOWERED TO 150 PPM
- 2018: MANDATORY METAL LIMITS FOR PIGMENTS

EXPERT OPINION

RECOMMENDATIONS & GUIDANCE

MOST RELEVANT DYE-RELATED TOPICS:

1970-TODAY: TOXICOLOGICAL, ECOLOGICAL AND ANALYTICAL **METHODS FOR COLORANTS**

1976: ETAD'S **SDS AND RECOMMENDATION*** ON **HEAVY METALS**

1989: **SAFE HANDLING** OF AZO COLOURANTS

1991: **SAFE HANDLING** OF REACTIVE DYES

1992: COLOURANTS AND ENVIRONMENT - **SAFE USE**

1996: RISK ASSESSMENT OF CONTACT **SENSITIZING DISPERSE DYES**

1998: GERMAN **BAN OF COLOURANT** IN CONSUMER GOODS

2000: LABELLING OF **REACTIVE DYES**

2002-2005: TEXTILE-DYE AND COLORED TEXTILE **ALLERGIC CONTACT DERMATITIS**

2009: **ANILINE** IN TEXTILES

2011: FREQUENCY AND SPECTRUM OF **CONTACT ALLERGY** TO TEXTILE DYES

2013: RECOMMENDATION* FOR **IMPURITIES IN DYES**

* ETAD MEMBERS ARE REQUESTED TO COMPLY WITH THE RECOMMENDATIONS, EVEN IF COMPLIANCE IS NOT MANDATORY FOR MEMBERSHIP

SUPPORT & SERVICES

BEST PRACTICE

EXAMPLES OF ETAD INTERNAL PROJECTS

CONSTANT MONITORING OF WORLDWIDE
LEGISLATION

DEVELOPMENT OF ANALYTICAL METHODS

DYES BIOACCUMULATION STUDIES

DYES PENETRATION STUDIES

INHALATION PROJECT OF “NANO” PIGMENTS

OCTANOL SOLUBILITY OF PIGMENTS

EXTRACTABILITY OF DYES FROM TEXTILES

RESIDUAL DYES IN CONTAINERS

OPINION FORMER & ADVOCATE

COLLABORATION (I)

WORK WITH OTHER ASSOCIATIONS

INPUT TO GENERAL TOPICS FOR THE CHEMICAL INDUSTRY (CEFIC, SOCMA, ICC)...

COLLABORATION ON COLORANTS-RELATED ISSUES (EUROCOLOUR, CPMA, TEGEWA, SDC, JDICA, CDIA)...

COMMUNICATION AND PROJECTS WITH DOWNSTREAM USERS (EURATEX, GERMANFASHION, EUPiA, TIE)...

WORK WITH AUTHORITIES

INPUT TO THE **CMR IN TEXTILES** REGULATION (EC)

INPUT TO THE RESTRICTION ON **SENSITIZING SUBSTANCES** IN TEXTILES (EC, KEMI, ANSES)

PROJECT ON **NON-REGULATED AROMATIC AMINES** (BLV, BFR)

CONSULTANT FOR THE “**CHEMICAL IN PRODUCTS**” PROJECT (UNEP)

DISCUSSION ON THE **DYES EVALUATION IN CANADA** (ECCC, HC)

DEVELOPMENT OF **NATIONAL STANDARDS** (EN, BIS)

OPINION FORMER & ADVOCATE

COLLABORATION (II)

WORK WITH STANDARD ISSUERS

TRASPOSITION OF ETAD METHODS INTO INTERNATIONAL STANDARDS (ISO)
PARTICIPATION TO THE REVISION PROCESS OF RSLs AND MRSLs (EU
ECOLABEL, OEKOTEX, GOTS, GRS, ZDHC)
PARTICIPATION IN SPECIFIC TASK TEAMS (TEGEWA, ZDHC)
COMMUNICATION ON RELEVANT IMPURITIES (bluesign, OEKOTEX)...

OTHERS

PROJECT ON OCCURRENCE OF DYE-RELATED CONTACT DERMATITIS (IVDK)
INFORMATION EXCHANGE ON ANALYTICAL RESULTS FROM TEXTILES
(HOEHENSTEIN, GERMANFASHION)

OUR TEAM



DR.
WALTHER
HOFHERR

EXECUTIVE
DIRECTOR



DR.
PIERFRANCESCO
FOISS

DEPUTY EXECUTIVE
DIRECTOR



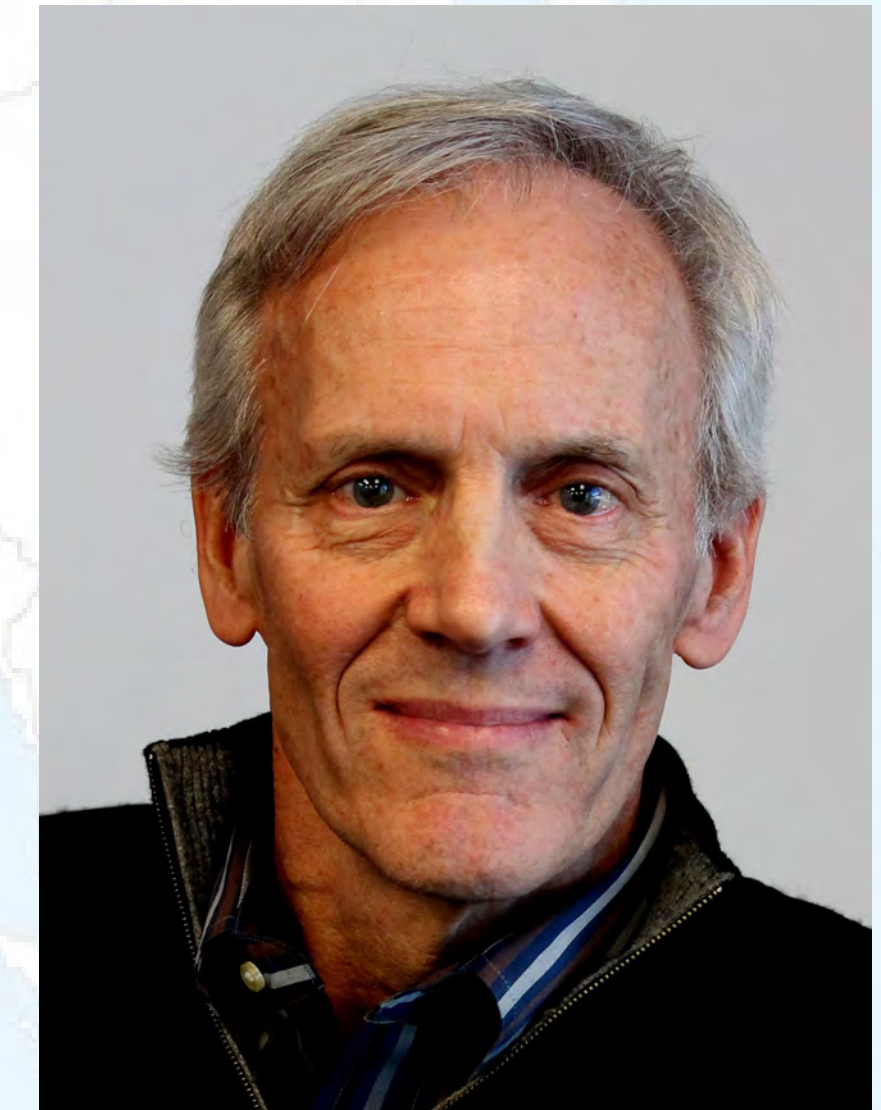
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OUR MEMBERS





THANK YOU

Working together for safer colorants