Matthes Framework Map

- frameworks according to their nationality and intention -

Gartner Inc., Stamford (Connecticut)
EAF - Enterprise Architecture Framework provides development steps for an optimal constellation of business, information and technology to support the business strategies.

IT City Planning Architecture Framework separates between the business, functional, application und technical layer of an architecture.

National Defence and the Canadian Forces, Ottawa (Ontario)
DNDAF - Department of National Defense Architecture Framework

Purdue University, West Lafayette (Indiana)
PERA - Purdue Enterprise Reference Architecture helps to analyse, design and develop enterprise integration projects.

Zachman International, La Canada (California)
Zachman-Framework defines views and layers of an information system.

U. S. Office of Management and Budget (OMB), Washington DC
FEA - Federal Enterprise Architecture contains a performance, business, service component, data and a technical reference model for describing important elements of an EA.

U. S. Department of the Treasury, Washington DC
TEAF - Treasury Enterprise Architecture Framework supports the architecture development with guides, templates, common concepts to standards, principles etc.
TISAF - Treasury Information System Architecture Framework is revised by the TEAF.

U. S. Chief Information Officers (CIO) Council
FEAF- Federal Enterprise Architecture Framework provides an empty frame for the EA-development.

U. S. National Institutes of Health, Bethesda & Washington DC
NIH Enterprise Architecture Framework helps with the architecture development and describes a business architecture modeling methodology.

U.S. National Institute of Standards and Technology, Gaithersburg (Maryland)
NIST EA Model provides a five-layered architectural reference model for managing an integrated set of information and information technology architectures.

IBM
ADS - Architecture Description Standard provides notations, terminology and semantics for architecture description.

The Open Group (Initiated ArchiMate project was managed by Telematica Instituut, Enschede - Netherlands.)
ArchiMate defines provides terminology for modelling the global structure of domains and relations between the domains.

Steven H. Spewak, New York
EAP - Enterprise Architecture Planning provides steps to realise the top two rows of the Zachman Framework.

U. S. Department of Defence, Washington DC
C4ISR Architecture Framework provides views, models and a method to describe an information system architecture.

DoDAF - Department of Defence Architecture Framework as successor of the C4ISR the DoDAF provides views and models to develop an information system architecture for weapon integration and service-oriented structures.

TAFIM - Technical Architectural Framework for Information Management helped with a reference model and steps to describe and develop a technical architecture.

JTA - Joint Technical Architecture as knowledge base provides standards, interfaces and services for other (DoD) frameworks.

DoD TRM - Department of Defence Technical Reference Model supports a technical structure for development and acquisition of IT-solutions.

U. S. General Accounting Office (GAO), Washington DC
EAMMF - Enterprise Architecture Management Maturity Framework helps to define the maturity of the EA-development.

U. S. Office of Management and Budget (OMB), Washington DC
EAAF - OMB Enterprise Architecture Assessment Framework helps to measure and assess the steady enterprise architecture improvement process.

Casewise
Based on the Zachman Framework offers the **Casewise Framework** structure, templates and guidance to create enterprise architecture models.

IEEE Architecture Working Group (AWG) with multinational members
ISO/IEC 42010 (IEEE Std 1471-2000) describes required contents of an architecture description.

Worldwide developments

Joint development by IEEE (more than 380.000 members from 150 countries) and The Open Group
POSIX OSE Reference Model supports specification of interfaces for distributed systems and distributed application platform implementations.

Workgroup Architectures for Enterprise Integration by International Federation for Information Processing (IFIP) and International Federation of Automatic Control (IFAC)
GERAM - Generalised Enterprise Reference Architecture and Methodology provides a general reference architecture to describe all information and communication systems as well as activities around the enterprise processes.

The Open Group - Consortium by members from North America (50%), Europe (25%) and Asia-Pacific (25%)
TOGAF - The Open Group Architecture Framework supports the development and description of technical architectures.

Globemen (Global Engineering and Manufacturing in Enterprise Networks) project is part of international Intelligent Manufacturing Systems (IMS) program
VERAM - Virtual Enterprise Reference Architecture and Methodology is a framework that positions elements according to its support, modelling, formation/set up, management of virtual enterprises and the underlying IT.

European developments

Capgemini
IAF - Integrated Architecture Framework provides views on and layers of an architecture as well as tools (workshops, interviews) for their development.

Comité Européen de Normalisation
HIF - Healthcare Information Framework (ENV 12443) supports specification of services on the middleware layer and describes a healthcare information system architecture.

Roger Evernden, U.K.
IFW - Information FrameWork a matrix for analysing and structuring information.

U. K. Cabinet Office
e-GIF - e-Government Interoperability Framework to realise interoperability between A2A, A2B and A2C.

U.K. Department for Transport
TRAK – The Rail Architecture Framework is a rail-specific architecture framework in adapting MODAF

Université de Bordeaux, Laboratory of Automation and Productics (LAP), Bordeaux
GIM - GRAI Integrated Methodology supports analysis and specification of CIM systems components.

Atos Origin – IT Consulting, Paris
CLEAR (Comprehensive, Landscaped, Enterprise Architecture Representation) Framework provides taxonomy and ontology and reference models for architecture development.

Délégation Générale pour l'Armement (DGA)
AGATE - Atelier de Gestion de l'Architecture provides viewpoints including models of the information system architecture.

OMG – Object Management Group

OMA - Object Management Architecture provides terminology and a architecture reference model for separation the information system components in interface categories and a central handling component - the Object Request Broker (ORB).

CORBA - Common Object Request Broker Architecture specify the Object Request Broker (ORB), its interface and interfaces of other OMG standards.

MDA Guide - Model Driven Architecture Guide contains a procedure reference models for a model driven software development approach.

ISO - the International Organization for Standardization
The Standards **ISO/IEC 10746-1 till 4** are known as **Reference Model for Open Distributed Processing (RM-ODP)**, that specify information systems to enable distributed information processing.

European Consortium AMICE (IBM, Siemens, FIAT, ...)
CIMOSA - Computer Integrated Manufacturing Open System Architecture provides a modelling framework for the corporate structure including computer integrated manufacturing.

European Commission
EIF - European Interoperability Framework provides layers of interoperability that are to realise according specific standards as condition for interactivity. Especially to realise electronic government services across the EU member states.

U. K. Ministry of Defence, London
MoDAF - UK Ministry of Defence Architectural Framework supports the description and specification of an architecture.

John Sherwood, U.K.
SABSA - Sherwood Applied Business Security Architecture is a framework and methodology for Enterprise Security Architecture and Service Management.

Fergus Cloughley and Paul Wallis, U.K.
OBASHI Framework provides a six-layered architectural reference model for placing the elements on the layers ownership, business process, application, system, hardware and infrastructure. Its illustrating the relationships between business and information technology.

Institute For Enterprise Architecture Developments (IFEAD), Amersfoort
E2AF - Extended Enterprise Architecture Framework describes views and steps to enhance an EA to an extended enterprise architecture (E2A).

Nederlands Architectur Forum (NAF)
xAF - Extensible Architecture Framework

Federal Ministry of the Interior, Germany
SAGA - Standards and Architecture for e-Government Applications defines standards and architecture model for e-government applications and unifies processes and data in the administrations.

IDS Scheer AG, Saarbrücken
ARIS - Architecture of Integrated Information Systems to model and optimize business processes.

SAP AG, Walldorf (Germany)
SAP Enterprise Architecture Framework complements TOGAF to support the effective adoption of SOA.

act! consulting GmbH, Braunschweig
t-eam - toolbox for enterprise architecture management defines amongst others an architecture reference model. Its helps to answer the questions like the Zachman Framework: where, what, who, how, why, with what and when.

Vassilios Peristeras (Greek) & Konstantinos Tarabanis (Macedonia)
C4IF - Connection, Communication, Consolidation, Collaboration Interoperability Framework defines four interoperability types to refers the ability of information systems to exchange signals, data, to understand data and to act together.

Australian Department of Defence, Canberra
AusDAF - Australian Defence Architecture Framework

consultant-educators Robinson and Gout
XAF - eXtreme Enterprise Architecture is practical for reengineering activities and software applications in the enterprise.

Queensland Government Chief Information Office
QGEAF - Queensland Government Enterprise Architecture Framework provides a structure for the information management and information and communication technology policy.

Map labels
Canada · Ottawa · Stamford · New York · West Lafayette · Washington, DC · United States of America · La Canada · United Kingdom · London · Amersfoort · Enschede · Netherlands · Germany · Paris · France · Bordeaux · Saarbrücken · Europe · Greek · Australia

L e g e n d

Government and Agency Frameworks specially-tailored for federal uses

Management Frameworks to support the management branch

Military Frameworks to support military requirements

Technical orientated Frameworks without business orientated management methods (e.g. BPML)

Interoperability Frameworks to realise interactivity

Manufacturing-Specific Frameworks for manufacturing solutions

Add-On Frameworks in addition to other frameworks, projects etc.