
**EUROMOD (compiled version including plugins)
End-User Licence Agreement**

By using this Software or any portion thereof, YOU (the "User") ACCEPT ALL TERMS AND CONDITIONS OF THIS LICENCE, including in particular the limitations on use, transferability, warranty and liability. The following terms and conditions are enforceable against you and any legal entity that obtained the Software and on whose behalf it is used. If you are agreeing to these terms on behalf of a company or other legal entity, you represent that you have the legal authority to bind that company or legal entity to these terms. IF YOU DO NOT HAVE SUCH AUTHORITY OR IF YOU DO NOT WISH TO BE BOUND TO THESE TERMS DO NOT USE THIS SOFTWARE.

1. DEFINITIONS

.1. The under mentioned terms shall have herein the following meanings:

"*Computer*" shall mean an electronic device that accepts information in digital or similar form and manipulates it for specific results based on a sequence of instructions.

"*Effective Date*" shall mean the date of first Use by the User.

"*Licensor*" shall mean The European Union, represented by the European Commission.

"*Parties*" shall jointly refer to both the Licensor and the User in this licence while "*Party*" shall refer to either of the Parties as the context provides;

"*Software*" shall mean any series of instructions constituting a computer-executable program or programs as well as any modification or updated versions of the computer software. The Software means also all of the contents of the files (provided either by electronic download, on physical media or any other method of distribution) being object of this licence. It further includes any support materials provided by the Licensor to the User, including, but not limited to, manuals.

"*Use*" or "*Used*" in connection with the Software, as defined below, shall mean storing any portion of the Software in a machine, and/or transmitting any portion of the Software to a machine for processing and/or compiling, executing or interpreting any machine instructions contained in the Software, and/or displaying any portion of the Software in connection with the processing of such machine instructions.

2. GRANT OF RIGHTS AND LIMITATIONS

.1. Subject to compliance with the terms of this licence, the Licensor grants the User a personal, non-exclusive and royalty-free licence to Use the Software.

.2. The User may install and Use the Software within the computer environment of the User, including internal network deployments and/or several separate standalone deployments.

.3. The User may not rent, lease, sublicense, assign, transfer or grant any kind of rights regarding the Software or any portions thereof in any form to any third party except as may be expressly permitted herein.

.4. The User may not remove or alter any software identification, proprietary notices, labels or trade marks which appear on or in the Software.

.5. The Licensor shall have no obligation for the installation, technical support and maintenance of the Software.

3. OWNERSHIP AND LICENCE

- .1. The Software is not sold to the User who shall not acquire any right, title or interest (including without limitation copyright or other right in the nature of copyright or any other intellectual property right whatsoever) in the Software.
- .2. Any copy or partial copy of the Software shall be subject to the licence rights granted to the User and shall be considered as being regulated by this licence.
- .3. The User's rights to Use the Software are specified in this licence, and the Licensor retains all rights not expressly granted to the User in this licence. No right or licence under any patent application, issued patent, know-how or other proprietary information is granted or shall be granted by implication unless provided herein.

4. DURATION AND TERMINATION

- .1. This licence is granted on a perpetual basis and shall be effective as of the Effective Date. However, Licensor and User may agree to terminate this licence at anytime without cause.
- .2. This licence shall automatically terminate with an immediate effect if the User is in breach of this licence. This termination shall not prevent the Licensor from claiming any further damages. Upon termination for any reason, the User shall destroy the Software and any copy made partial or whole in its possession.
- .3. The termination shall not relieve the User from its liability to respect all the obligations claimable before the termination date. In particular, the provisions of the obligations relating to the performance, the disclaimer of guarantees and warranties and limitations of liabilities shall survive the termination of this licence, howsoever caused, but this shall not imply or create any continued right to Use the Software after termination of this licence.

5. INTELLECTUAL PROPERTY RIGHTS

- .1. The User shall not at any time and under any circumstances use the name and the copyright without prior written permission of the Licensor. The User undertakes not to file trade mark applications in view of protecting the denomination of the Software on its own name.
- .2. Third-party libraries necessary for the functioning of the Software are distributed in bundle with the Software. Such distribution and use are strictly subject to the terms and conditions set forth in the respective licences, as provided in Annex A, to which the User accepts to be bound. The Licensor hereby authorises the User to reverse engineer and debug the Software to the extent that this is required to make any modifications allowed under the third-party libraries respective licences.

6. GUARANTEES, WARRANTY AND LIMITATIONS OF LIABILITIES

- .1. The Software is provided "as is" without warranty of any kind, either express or implied, including, but not limited to, any implied warranty against infringement of third parties' property rights, of merchantability, integration, satisfactory quality and fitness for a particular purpose.
- .2. The entire risk as to the Use, quality, and performance of the Software is with the User. The Licensor will not be liable for any incidental, consequential, direct or indirect damages including but not limited to the loss of data, lost profits, or any other financial loss arising from the Use of, or inability to Use, even if the Licensor has been notified of the possibility of such loss, damages, claims or costs or for any claim by any third party.

7. APPLICABLE LAW AND LEGAL VENUE

- .1. This licence shall be governed by its terms and, on a subsidiary basis, by the law of Belgium.

.2. In case of any dispute or difference between the Parties arising out of or in connection with this licence, the Parties shall settle it by mutual agreement. Such effort shall be deemed to have failed when one of the Parties so notifies the other in writing. In that case, each Party may initiate proceedings before the Court of Justice of the European Union.

.3. Nothing in the license shall be interpreted as a waiver of any privileges or immunities accorded to any Party by its constituent documents, privileges and immunities agreements or international law.

8. ADMINISTRATIVE PROVISIONS

Any communication and correspondence from the User with reference to this licence shall be made in writing and addressed to the following addresses:

European Commission
Joint Research Centre
Directorate B – Fiscal Policy Analysis Unit
Edificio EXPO, c/ Inca Garcilaso 3
E-41092 Sevilla
To the attention of Salvador Barrios
(JRC-EUROMOD@ec.europa.eu)

ANNEX A
TECHNICAL SPECIFICATIONS OF THE SOFTWARE AND THIRD-PARTIES' LIBRARIES

Euromod (compiled version including plugins)

Version: 3.6.16

© European Union & Institute for Social and Economic Research, University of Essex 2024

<https://euromod-web.jrc.ec.europa.eu/>

The Source Code of EUROMOD is available under the EUPL Version 1.2 (without including DevExpress libraries) in the following repository: <https://github.com/ec-jrc/JRC-EUROMOD-software-source-code>. More information can be found on the following address: <https://euromod-web.jrc.ec.europa.eu/> or by contacting JRC-EUROMOD@ec.europa.eu

EUROMOD is a tax-benefit microsimulation model for the European Union and the UK that enables researchers and policy analysts to calculate, in a comparable manner, the effects of taxes and benefits on household incomes and work incentives for the population of each country and for the EU as a whole.

Originally maintained, developed and managed by the Institute for Social and Economic Research (ISER) (external link to the Centre for Microsimulation and Policy Analysis, University of Essex website), since 2021 EUROMOD is maintained, developed and managed by the Joint Research Centre (JRC) of the European Commission, in collaboration with EUROSTAT and national teams from the EU countries.

Cross-country comparability is enabled by coding the policy systems of the EU Member States and the UK according to a common framework based on a standard set of protocols.

Functionalities:

- Estimation of poverty, inequality and redistribution statistics under actual conditions, previous or future tax-benefit rules.
- Budgetary effects.
- Effects of simple tax-benefit policy reforms (or illustrative changes to household composition and original income).
- Effects complex policy reforms (e.g. effects of revenue-neutral changes to tax rates and social insurance regulations).
- "Model family" calculations.
- Indicators of work incentives.
- Policy swapping between countries (i.e. effects on country A of adopting a policy measure currently effective in country B)
- Generation of budget sets as input to labour supply or other models of behaviour change
- Generation of counterfactual income to answer "what if" questions
- Assessing effects and costs of EU-wide policy reforms.
- Data imputation: Generation of gross income (by source) from net, or vice versa.

Plugins:

EUROMOD is distributed together with the following plugins, which extend the core functionalities:

- **Policy Effects Tool:** The Policy Effects tool plugin estimates the first-order effects of policies on household incomes. The tool is meant to assist with model validation and compares policies in place in two consecutive years, both in nominal and real terms. This plugin is included with the default EUROMOD installation.
- **Hypothetical Household Tool:** The Hypothetical Household Tool (HHoT) is a EUROMOD plugin for designing hypothetical households and generating data according to the chosen household characteristics. This hypothetical household data can then be used to estimate the effects of taxes and benefits on household disposable income. This plugin is included with the default EUROMOD installation.
- **Statistics Presenter:** The Statistics Presenter plugin is an analysis tool that produces a fixed set of statistics on income distribution based on (a) EUROMOD output file(s). This plugin is included with the default EUROMOD installation.
- **In-depth Analysis:** The In-depth Analysis plugin is an advanced Statistics presenter which provides additional indicators and allow extra flexibility in the definition of variables and population groups.

The In-depth Analysis plugin was developed as a part of the project “Support for the Microsimulation Hub of the Council of Economic Advisors in Greece”, funded by the European Commission’s Structural Reform Support Programme and implemented by the Joint Research Centre through an administrative arrangement with DG REFORM. All parties agreed to incorporate the plugin to EUROMOD, which implies the public distribution of its compiled version under the EUROMOD End-user licence agreement and its source code under the European Union Public Licence (EURL-1.2) or a later version of this licence.

- **Income List Components:** The Income List Components plugin extracts information about the income lists used in the selected countries/years. In particular, it visualises the components of the income list. This plugin is not included in the default EUROMOD installation, it has to be installed separately after installing EUROMOD.
- **Variables Checker:** The Variables Checker plugin provides methods for validating the EUROMOD variables file. This plugin is not included in the default EUROMOD installation, it has to be installed separately after installing EUROMOD.
- **Web Statistics:** The Web Statistics plugin automatically generates a web statistics report.

Third-party libraries:

- EUROMOD (compiled version including plugins) is distributed together with the following libraries, which are licensed to you under their original licences (licences are reproduced below):
 - Microsoft.AspNetCore.Connections.Abstractions. Licence: Apache-2.0. URL: <https://github.com/dotnet/aspnetcore>. Copyright (c) .NET Foundation and Contributors.

-
- Microsoft.AspNetCore.Hosting. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.AspNetCore.Hosting.Abstractions. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.AspNetCore.Hosting.Server.Abstractions. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.AspNetCore.Hosting.WindowsServices. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.AspNetCore.Http. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.AspNetCore.Http.Abstractions. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.AspNetCore.Http.Extensions. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.AspNetCore.Http.Features. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.AspNetCore.Server.Kestrel. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.AspNetCore.Server.Kestrel.Core. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.AspNetCore.Server.Kestrel.Https. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.AspNetCore.Server.Kestrel.Transport.Abstractions. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.AspNetCore.Server.Kestrel.Transport.Sockets. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.AspNetCore.StaticFiles. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.AspNetCore.WebUtilities. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.CodeAnalysis.FxCopAnalyzers. Licence: Apache-2.0. URL: <https://github.com/dotnet/roslyn-analyzers>. Copyright (c) Microsoft. All Rights Reserved. Licensed under the Apache License, Version 2.0.
 - Microsoft.CodeAnalysis.VersionCheckAnalyzer. Licence: Apache-2.0. URL: <https://github.com/dotnet/roslyn-analyzers>. Copyright (c) Microsoft. All Rights Reserved. Licensed under the Apache License, Version 2.0.
 - Microsoft.CodeQuality.Analyzers. Licence: Apache-2.0. URL: <https://github.com/dotnet/roslyn-analyzers>. Copyright (c) Microsoft. All Rights Reserved. Licensed under the Apache License, Version 2.0.
 - Microsoft.CSharp. Licence: MIT. URL: <https://github.com/dotnet/runtime>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.Configuration. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.Configuration.Abstractions. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.Configuration.Binder. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.Configuration.EnvironmentVariables. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.

-
- Microsoft.Extensions.Configuration.FileExtensions. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.DependencyInjection. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.DependencyInjection.Abstractions. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.FileProviders.Abstractions. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.FileProviders.Physical. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.FileSystemGlobbing. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.Hosting.Abstractions. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.Logging. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.Logging.Abstractions. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.ObjectPool. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.Options. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Extensions.Primitives. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors
 - Microsoft.Extensions.WebEncoders. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.Net.Http.Headers. Licence: Apache-2.0. URL: <https://asp.net>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.VisualBasic Licence: MIT. URL: <https://github.com/dotnet/corefx/blob/master/LICENSE.TXT>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.NetCore.Analyzers. Licence: Apache-2.0. URL: <https://github.com/dotnet/roslyn-analyzers>. Copyright (c) Microsoft. All Rights Reserved. Licensed under the Apache License, Version 2.0.
 - Microsoft.NetFramework.Analyzers. Licence: Apache-2.0. URL: <https://github.com/dotnet/roslyn-analyzers>. Copyright (c) Microsoft. All Rights Reserved. Licensed under the Apache License, Version 2.0.
 - System.Linq.Dynamic.Core. Licence: Apache-2.0. URL: <https://dynamic-linq.net/>.
 - W3.css. Licence: Free to use, no License is necessary. URL: <https://www.w3schools.com/w3css/>.
 - BouncyCastle. Licence: <http://www.bouncycastle.org/licence.html>. Copyright (c) 2000 - 2020 The Legion of the Bouncy Castle Inc. (<https://www.bouncycastle.org>).
 - EPPlus version 4.5.3.2. Licence: LGPL-3.0. URL: <https://github.com/JanKallman/EPPlus> (the source code of this library can be obtained from this URL).
 - Ionic.Zip (Dotnetzip). Licence: Microsoft Public License MS-PL. URL: <https://archive.codeplex.com/?p=dotnetzip>. Copyright (c) 2006 - 2011 Dino Chiesa Copyright (c) 2006, 2007, 2008, 2009 Dino Chiesa and Microsoft Corporation.
 - Chart.js. Licence: MIT. URL: <https://github.com/chartjs/Chart.js>. Copyright (c) 2018 Chart.js Contributors.

-
- LibreICONS. Licence: MIT. URL: <https://github.com/DiemenDesign/LibreICONS>. Copyright (c) 2018 Diemen Design.
 - Microsoft.Bcl.AsyncInterfaces. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
 - Microsoft.NETCore.App. Licence: MIT. URL: <https://github.com/dotnet/core-setup/tree/master>. Copyright (c) .NET Foundation and Contributors.
 - NETStandard.Library. Licence: MIT. URL: <https://github.com/dotnet/standard>. Copyright (c) .NET Foundation and Contributors.
 - Newtonsoft.Json. Licence: MIT. URL: <https://github.com/JamesNK/Newtonsoft.Json>. Copyright (c) 2007 James Newton-King.
 - System Buffers. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
 - System.Collections.Immutable. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
 - System.ComponentModel.Annotations. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
 - System.ComponentModel.Composition. Licence: MIT. URL: <https://github.com/dotnet/runtime>. Copyright (c) .NET Foundation and Contributors.
 - System.ComponentModel.DataAnnotations. Licence: MIT. URL: <https://github.com/dotnet/runtime>. Copyright (c) .NET Foundation and Contributors.
 - System.Data.DataSetExtensions. Licence: MIT. URL: <https://github.com/dotnet/corefx/tree/master>. Copyright (c) .NET Foundation and Contributors.
 - System.Diagnostics.DiagnosticSource. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
 - System.Diagnostics.EventLog. Licence: MIT. URL: <https://github.com/dotnet/runtime>. Copyright (c) .NET Foundation and Contributors.
 - System.DirectoryServices. Licence: MIT. URL: <https://github.com/dotnet/runtime>. Copyright (c) .NET Foundation and Contributors.
 - System.DirectoryServices.AccountManagement. Licence: MIT. URL: <https://github.com/dotnet/runtime>. Copyright (c) .NET Foundation and Contributors.
 - System.DirectoryServices.Protocols. Licence: MIT. URL: <https://github.com/dotnet/runtime>. Copyright (c) .NET Foundation and Contributors.
 - System.IO.Pipelines. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
 - System.Memory. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
 - System.Numerics.Vectors. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
 - System.Reflection.Metadata. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
 - System.Reflection.DispatchProxy. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
 - System.Reflection.Emit.ILGeneration. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
 - System.Reflection.Emit.Lightweight. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
 - System.Reflection.Emit. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.

- System.Reflection.TypeExtensions. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
- System.Runtime.CompilerServices.Unsafe. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
- System.Security.AccessControl. Licence: MIT. URL: <https://github.com/dotnet/runtime>. Copyright (c) .NET Foundation and Contributors.
- System.Security.Cryptography.Cng. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
- System.Security.Permissions. Licence: MIT. URL: <https://github.com/dotnet/runtime>. Copyright (c) .NET Foundation and Contributors.
- System.Security.Principal.Windows. Licence: MIT. URL: <https://github.com/dotnet/runtime>. Copyright (c) .NET Foundation and Contributors.
- System.ServiceModel.Duplex. Licence: MIT. URL: <https://github.com/dotnet/wcf>. Copyright (c) .NET Foundation and Contributors.
- System.ServiceModel.Http. Licence: MIT. URL: <https://github.com/dotnet/wcf>. Copyright (c) .NET Foundation and Contributors.
- System.ServiceModel.NetTcp. Licence: MIT. URL: <https://github.com/dotnet/wcf>. Copyright (c) .NET Foundation and Contributors.
- System.ServiceModel.Primitives. Licence: MIT. URL: <https://github.com/dotnet/wcf>. Copyright (c) .NET Foundation and Contributors.
- System.ServiceModel.Security. Licence: MIT. URL: <https://github.com/dotnet/wcf>. Copyright (c) .NET Foundation and Contributors.
- System.ServiceProcess.ServiceController. Licence: MIT. URL: <https://github.com/dotnet/runtime>. Copyright (c) .NET Foundation and Contributors.
- System.Text.Encoding.Web. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
- System.Threading.Tasks.Extensions. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
- System.Threading.Tasks.Dataflow. Licence: MIT. URL: <https://github.com/dotnet/runtime>. Copyright (c) .NET Foundation and Contributors.
- System.ValueTuple. Licence: MIT. URL: <https://github.com/dotnet/corefx>. Copyright (c) .NET Foundation and Contributors.
- Tlite.css. Licence: MIT. URL: <https://github.com/chrisdavies/tlite>. Copyright (c) 2015 Chris Davies.
- Octokit. Licence: MIT. URL: <https://github.com/octokit/octokit.net>. Copyright (c) 2017 GitHub, Inc.
- TinyXMLzlib/libpng. Licence: zlib/libpng. URL: <http://www.grinninglizard.com/tinyxmldocs/>.
- Meta.Numerics. Licence: Microsoft Public License MS-PL. URL: <http://www.meta-numerics.net/>. Copyright 2008-2020 by David Wright.
- System.Text.Encoding.CodePages. Licence: MIT. URL: <https://github.com/dotnet/runtime>. Copyright (c) .NET Foundation and Contributors.

A copy of the Apache License version 2.0 (under which Microsoft.AspNetCore.Connections.Abstractions, Microsoft.AspNetCore.Hosting, Microsoft.AspNetCore.Hosting.Abstractions, Microsoft.AspNetCore.Hosting.Server.Abstractions, Microsoft.AspNetCore.Hosting.WindowsServices, Microsoft.AspNetCore.Http, Microsoft.AspNetCore.Http.Abstractions, Microsoft.AspNetCore.Http.Extensions, Microsoft.AspNetCore.Http.Features, Microsoft.AspNetCore.Server.Kestrel, Microsoft.AspNetCore.Server.Kestrel.Core, Microsoft.AspNetCore.Server.Kestrel.Https, Microsoft.AspNetCore.Server.Kestrel.Transport.Abstractions, Microsoft.AspNetCore.Server.Kestrel.Transport.Sockets, Microsoft.AspNetCore.StaticFiles, Microsoft.AspNetCore.WebUtilities, Microsoft.CodeAnalysis.FxCopAnalyzers, Microsoft.CodeAnalysis.VersionCheckAnalyzer, Microsoft.CodeQuality.Analyzers, Microsoft.Extensions.Configuration, Microsoft.Extensions.Configuration.Abstractions, Microsoft.Extensions.Configuration.Binder, Microsoft.Extensions.Configuration.EnvironmentVariables, Microsoft.Extensions.Configuration.FileExtensions,

Microsoft.Extensions.DependencyInjection, Microsoft.Extensions.DependencyInjection.Abstractions, Microsoft.Extensions.FileProviders.Abstractions, Microsoft.Extensions.FileProviders.Physical, Microsoft.Extensions.FileSystemGlobbing, Microsoft.Extensions.Hosting.Abstractions, Microsoft.Extensions.Logging, Microsoft.Extensions.Logging.Abstractions, Microsoft.Extensions.ObjectPool, Microsoft.Extensions.Options, Microsoft.Extensions.Primitives, Microsoft.Extensions.WebEncoders, Microsoft.Net.Http.Headers, Microsoft.NetCore.Analyzers, Microsoft.NetFramework.Analyzers, System.Linq.Dynamic.Core are licensed) is provided below:

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"**License**" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"**Licensor**" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"**Legal Entity**" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "**control**" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"**You**" (or "**Your**") shall mean an individual or Legal Entity exercising permissions granted by this License.

"**Source**" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"**Object**" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"**Work**" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"**Derivative Works**" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"**Contribution**" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "**submitted**" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "**Not a Contribution**."

"**Contributor**" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

1. You must give any other recipients of the Work or Derivative Works a copy of this License; and
2. You must cause any modified files to carry prominent notices stating that You changed the files; and
3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
4. If the Work includes a "**NOTICE**" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or

FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

Bouncy Castle is licensed under the following terms:

LICENSE

Copyright (c) 2000 - 2020 The Legion of the Bouncy Castle Inc. (<https://www.bouncycastle.org>)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

A copy of the GNU Lesser General Public License (LGPL) version 3.0 (under which EPlus version 4.5.3.2 is licensed) is provided below:

GNU LESSER GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright © 2007 Free Software Foundation, Inc. <<https://fsf.org/>>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library.

Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

- a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or
- b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

3. Object Code Incorporating Material from Library Header Files.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

- a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.
- b) Accompany the object code with a copy of the GNU GPL and this license document.

4. Combined Works.

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

- a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.
- b) Accompany the Combined Work with a copy of the GNU GPL and this license document.
- c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.
- d) Do one of the following:
 - 0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Corresponding Source.
 - 1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.
- e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

5. Combined Libraries.

You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.
- b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

A copy of Microsoft Public License (MS-PL) (under which Ionic.Zip and Met.Numerics are licensed) is provided below:

Microsoft Public License (MS-PL)

This license governs use of the accompanying software. If you use the software, you accept this license. If you do not accept the license, do not use the software.

1. Definitions

The terms "reproduce," "reproduction," "derivative works," and "distribution" have the same meaning here as under U.S. copyright law.

A "contribution" is the original software, or any additions or changes to the software.

A "contributor" is any person that distributes its contribution under this license.

"Licensed patents" are a contributor's patent claims that read directly on its contribution.

2. Grant of Rights

(A) Copyright Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free copyright license to reproduce its contribution, prepare derivative works of its contribution, and distribute its contribution or any derivative works that you create.

(B) Patent Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free license under its licensed patents to make, have made, use, sell, offer for sale, import, and/or otherwise dispose of its contribution in the software or derivative works of the contribution in the software.

3. Conditions and Limitations

(A) No Trademark License- This license does not grant you rights to use any contributors' name, logo, or trademarks.

(B) If you bring a patent claim against any contributor over patents that you claim are infringed by the software, your patent license from such contributor to the software ends automatically.

(C) If you distribute any portion of the software, you must retain all copyright, patent, trademark, and attribution notices that are present in the software.

(D) If you distribute any portion of the software in source code form, you may do so only under this license by including a complete copy of this license with your distribution. If you distribute any portion of the software in compiled or object code form, you may only do so under a license that complies with this license.

(E) The software is licensed "as-is." You bear the risk of using it. The contributors give no express warranties, guarantees or conditions. You may have additional consumer rights under your local laws which this license cannot change. To the extent permitted under your local laws, the contributors exclude the implied warranties of merchantability, fitness for a particular purpose and non-infringement.

A copy of the MIT License (under which Chart.js, LibreIcons, Microsoft.Bcl.AsyncInterfaces, Microsoft.NETCore.App, NETStandard.Library, Newtonsoft.Json, System.Buffers, System.Collections.Immutable, System.ComponentModel.Annotations, System.Diagnostics.DiagnosticSource, System.IO.Pipelines, System.Memory, System.Numerics.Vectors, System.Reflection.Metadata, System.Runtime.CompilerServices.Unsafe, System.Security.Cryptography.Cng, System.Text.Encodings.Web, System.Threading.Tasks.Extensions, Microsoft.CSharp, Microsoft.VisualBasic, System.ComponentModel.Composition, System.ComponentModel.DataAnnotations, System.Data.DataSetExtensions, System.Diagnostics.EventLog, System.DirectoryServices, System.DirectoryServices.AccountManagement, System.DirectoryServices.Protocols, System.Reflection.DispatchProxy, System.Reflection.Emit.ILGeneration, System.Reflection.Emit.Lightweight, System.Reflection.Emit, System.Reflection.TypeExtensions, System.Security.AccessControl, System.Security.Permissions, System.Security.Principal.Windows, System.ServiceModel.Duplex, System.ServiceModel.Http, System.ServiceModel.NetTcp, System.ServiceModel.Primitives, System.ServiceModel.Security, System.ServiceProcess.ServiceController, System.Threading.Tasks.Dataflow, System.ValueTuple, System.Text.Encoding.CodePages, Tlite.css and Octokit are licensed) is provided below:

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

A copy of the zlib/libpng license (under which TinyXML is licensed) is provided below:

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

EUROMOD also makes extensive use of a paid library name DevExpress. DevExpress WinForms Subscription. Licence: Proprietary licence. URL: <https://www.devexpress.com/>.