

THE GENERIC MAPPING TOOLS

DERS 1. GİRİŞ

GMT Nedir?

GMT, coğrafi ve kartezyen veri setleri üzerinde işlem yapmak (filtreleme, eğri uydurma (trend fitting), gridleme, harita projelendirme vb.), basit x-y çizimlerinden yapay olarak gölgelendirilmiş yüzey ve 3-B perspektif görüntülere kadar geniş bir aralıkta PostScript resimleri üretmek amacıyla geliştirilmiş komut satırı araçlarından oluşan açık kaynak kodlu bir yazılımdır. Birçok harita projeksiyonunu ve dönüşümünü destekleyen GMT, kıyı çizgileri, nehirler, siyasi sınırlar ve isteğe bağlı olarak ülke çokgenleri gibi destekleyici verileri de içermektedir.

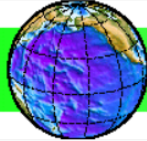
GMT'nin Tarihçesi

GMT sistemi, 1987 yılının sonlarında, Columbia Üniversitesi Lamont-Doherty Yerküre Gözlemevinde, yüksek lisans öğrencileri Paul Wessel ve Walter H F. Smith tarafından başlatıldı. İlk sürüm, Temmuz 1988'de Lamont bilim insanlarına resmen tanıtıldı. GMT 1, kulaktan kulağa ABD, İngiltere, Japonya ve Fransa'daki diğer kurumlara yayılarak, çok az bir ilgi gördü. Paul, Aralık 1989'da SOEST'de doktora sonrası görev aldı ve GMT'nin geliştirilmesine devam etti. Sürüm 2.0, EOS'ta Ekim 1991'de yayınlanan bir makale ile yayınlandı ve hızla dünyaya yayıldı. 1993'te geliştirilen Sürüm 3.0, 15 Ağustos 1995'te EOS'da yayınlanan bir başka makaleyle tanıtıldı. GMT 4.0'a yapılan önemli yükseltme Ekim 2004'te gerçekleştirildi. 2013'te yazım şekli genel olarak GMT 4 ile uyumlu olan yeni GMT 5 serisini piyasaya sürüldü. Son olarak, Geochemistry, Geophysics, Geosystems dergisinin Eylül 2019 sayısında tanıtılan ve yazım şeklinde önemli değişiklikleri içeren GMT 6, Kasım 2019'da kullanıma sürülmüştür. GMT, dünya çapında on binlerce kullanıcı tarafından geniş bir disiplinde kullanılmaktadır.


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The GMT Home Page x +

https://docs.generic-mapping-tools.org/4/




THE GENERIC MAPPING TOOLS



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GMT Pages maintained by:
Paul Wessel

Last updated:
July 1, 2018

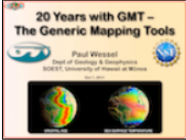



Visit SOEST home page


The GMT 5 major version was released on November 5, 2013. This site hosts the previous major version, GMT 4. We strongly recommend that existing GMT 4 users consider visiting the [GMT 5 site](#) and upgrade to GMT 5. You may also consider installing both versions to assist you in the transition from GMT 4 to 5, using `gmtswitch` to switch between versions.

What is GMT?

GMT is an open source collection of ~65 tools for manipulating geographic and Cartesian data sets (including filtering, trend fitting, gridding, projecting, etc.) and producing Encapsulated PostScript File (EPS) illustrations ranging from simple x-y plots via contour maps to artificially illuminated surfaces and 3-D perspective views; the GMT supplements add another ~70 more specialized tools. GMT supports over 30 map projections and transformations and comes with support data such as GSHHG coastlines, rivers, and political boundaries. GMT is developed and maintained by [Paul Wessel](#) and [Walter H. F. Smith](#) with help from [a global set of volunteers](#), and is supported by the [National Science Foundation](#). It is released under the [GNU General Public License](#). The final GMT 4 version is **4.5.18** released July 1, 2018.



GMT celebrated its 20th anniversary on Oct 7, 2011. The event was marked by a seminar at the University of Hawaii where Paul Wessel gave a talk [47 minutes] on the origin, use, capabilities, and future of GMT. For a 480p SD [243 Mb] or 720p HD [776 Mb] video podcast of the presentation, visit [iTunes University](#) or download the MP4 video directly by selecting either the [480p SD](#) or [720p HD](#) link.



SCHOOL OF OCEAN AND EARTH SCIENCE AND TECHNOLOGY

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GMT 5

The image shows a browser window displaying the GMT 5 documentation website. The browser's address bar shows the URL `gmt.soest.hawaii.edu/projects/gmt/wiki/Documentation`. The website has a dark header with the GMT logo and navigation links. The main content area is titled "Documentation" and includes sections for interactive documentation, installation, and filing bug reports. A sidebar on the right contains "Latest Releases" and "Resources".

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Documentation - GMT - GMT - X

gmt.soest.hawaii.edu/projects/gmt/wiki/Documentation

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Wiki >

Documentation

Interactive Documentation (Manpages, CookBook, API, Examples)

- Latest version 5.4.5 [Public Release (stable)]
- [Developer master branch](#) [In Progress (unstable)]

Release source tarballs and Windows/OSX installers contain HTML documentation and manual pages for offline reading. The PDF documentation is available here:

- GMT_API.pdf
- GMT_Docs.pdf
- GMT_Manpages.pdf
- GMT_Tutorial.pdf

Installation

- [Installing instructions](#)
- [Building instructions](#)
- [Packaging recommendations](#)

Filing Bug Reports and Feature Requests

If you come across any bugs or features that you wish existed, please file an [Issue on Github](#) (you'll need a Github account). After clicking on the "New Issue" button, you'll be prompted to choose between a "Bug report" or "Feature request". Each type will come populated from a template. Make sure you fill out the template as thoroughly as possible. **Please use the issues instead of sending email reports as it helps us organize and keep track of the bug fixing process.**

Latest Releases

- GMT-6.0.0 (2019-11-01)
 - ↳ [Documentation](#)
- GMT-4.5.18 (2018-07-01)
 - ↳ [Documentation](#)

Resources

- [Installing instructions](#)
- [Building instructions](#)
- [Mailing Lists](#)
- [Tidbits](#)
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Wiki

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GMT 6


The screenshot shows a web browser window displaying the homepage of The Generic Mapping Tools (GMT) website. The browser's address bar shows the URL <https://www.generic-mapping-tools.org>. The website features a navigation menu with links for Home, About, Download, Citing, Documentation, Ecosystem, and Workshops. The main content area is dominated by the GMT logo, which consists of the letters 'GMT' in a stylized, red, 3D font, with a globe integrated into the letter 'M'. Below the logo, the text 'THE GENERIC MAPPING TOOLS' is displayed in a bold, black, sans-serif font. The page is divided into three columns: 'News', 'Latest releases', and 'Upcoming workshops'. The 'News' column contains four items, including a mention of the 2020 European Geosciences Union Ian McHarg Medal. The 'Latest releases' column lists five versions of GMT, from 6.0.0 to 5.4.5. The 'Upcoming workshops' column lists one workshop: 'AGU2019: Become a GMT contributor even if you can't code!'. Each column has a 'more »' link at the bottom.

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The Generic Mapping Tools

<https://www.generic-mapping-tools.org> 60%

Home About Download Citing Documentation Ecosystem Workshops



THE GENERIC MAPPING TOOLS

News

- Paul Wessel is the recipient of the 2020 European Geosciences Union [Ian McHarg Medal](#) for his work on GMT. Read more about it in the [SOEST announcement](#) and [EGU 2020 awards recipients list](#).
- The [paper for GMT 6](#) is now available on *Geochemistry, Geophysics, Geosystems*.
- NSF-EAR grant [number 1829371](#) awarded to fund development of the new "modern mode" in GMT 6 and more!
- Paul and Leo were [interviewed on the Don't Panic Geocast](#).

Latest releases

- 2019-11-01: [GMT 6.0.0](#)
- 2019-10-23: [GMT 6.0.0 Release Candidate 5](#)
- 2019-09-06: [GMT 6.0.0 Release Candidate 4](#)
- 2019-07-15: [GMT 6.0.0 Release Candidate 3](#)
- 2019-02-19: [GMT 5.4.5](#)

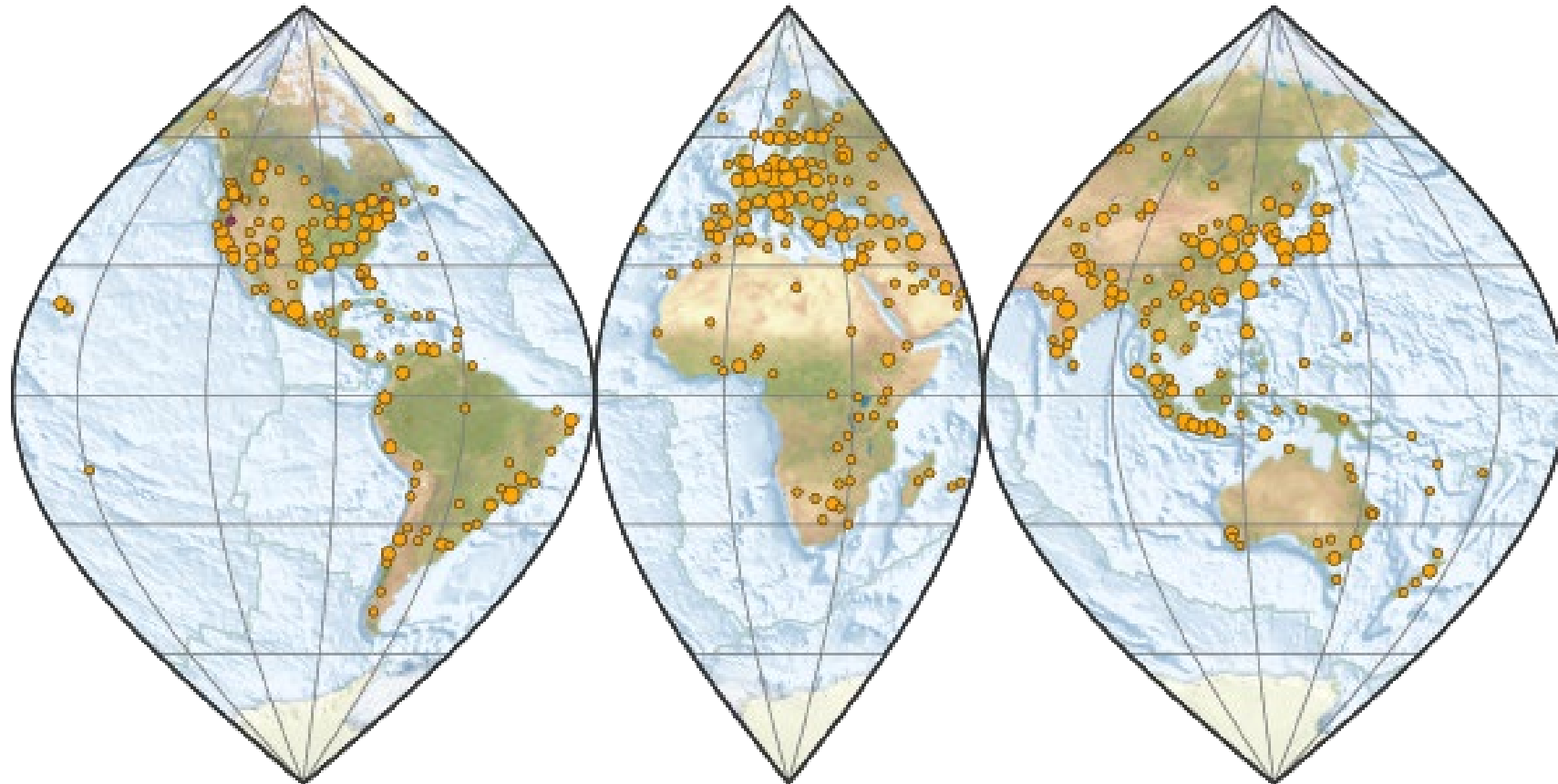
[more »](#)

Upcoming workshops

- AGU2019: [Become a GMT contributor even if you can't code!](#)

[more »](#)

GMT Kullanıcılar



- HTTP downloads (11747)
- FTP downloads (0)
- Subversion checkouts (19)

○ 1-9
○ 10-99
Total: 11766

○ 100-999
○ 1000+
2019-11-24 16:20:03 UTC

