



Journée SIG

Université Laval

Bibliographie sélective sur les systèmes d'information géographique (SIG) et les données géospatiales

À l'occasion de la Journée SIG de l'Université Laval, la Bibliothèque de l'Université Laval vous propose une sélection de livres reliés aux systèmes d'information géographiques et aux données géospatiales. Cliquez sur les titres des ressources pour obtenir leurs descriptions complètes. La plupart de ces ouvrages sont localisés au Centre GéoStat de la Bibliothèque (4^{ème} étage du Pavillon Jean-Charles-Bonenfant) ou disponibles en format numérique. Bonne lecture!

Se repérer sur la Terre : la navigation, du sextant au GPS : instruments de mesure et projection de Mercator.

(2021). Éditions Pole.

QA 1 T164 199

<https://ulaval.on.worldcat.org/oclc/1251518122>

Systèmes de coordonnées : cartésiennes, polaires, sphériques... ; triangles et coordonnées barycentriques ; gps et géolocalisation. (2014). Éditions Pole.

QA 1 T164 157

<https://ulaval.on.worldcat.org/oclc/1131675515>

Aschan-Leygonie, C., Cunty, C., & Davoine, P.-A. (2023). *Les systèmes d'information géographique : principes, concepts et méthodes.* Armand Colin.

G 70.212 A812 2023

<https://ulaval.on.worldcat.org/oclc/1396993740>

Auda, Y. (2018). *Systèmes d'information géographique : avec les logiciels libres GRASS et QGIS.* Dunod ; IRD Éditions.

G 70.212 A899 2018

<https://ulaval.on.worldcat.org/oclc/1029877271>

- Beck, J., & Artz, M. (2022). *Protecting the People: GIS for Law Enforcement*. ESRI.
HV 7936 A8 P967 2022
<https://ulaval.on.worldcat.org/oclc/1349233703>
- Béguin, M. I., Pumain, D., Mathian, H., Finance, O., Pascard, E., & Lizzi, L. (2017). *La représentation des données géographiques : statistique et cartographie*. Armand Colin.
GA 108.7 B418 2017
<https://ulaval.on.worldcat.org/oclc/990192209>
- Bills, T., & Mann, K. (2021). *Moving Forward: GIS for Transportation*. ESRI.
HE 151 M935 2021
<https://ulaval.on.worldcat.org/oclc/1294310948>
- Biswas, P., & Das Chatterjee, N. (2024). *Advanced GIS and crime analysis: violence against women in West Bengal, India*. Routledge. <https://doi.org/10.4324/9781032696058>
<https://ulaval.on.worldcat.org/oclc/1430432343>
- Bolstad, P., & Manson, S. (2022). *GIS Fundamentals: A First Text on Geographic Information Systems*. Elder.
G 70.212 B693 2022
<https://ulaval.on.worldcat.org/oclc/1367325341>
- Caron, C. (2017). *Geobusiness : la géomatique dans le monde des affaires*. Iste éditions.
HF 1025 G342 2017
<https://ulaval.on.worldcat.org/oclc/978347927>
- Carter, J. C. (2023). *Introduction to Human Geography: Using ArcGIS Online* ESRI.
GF 50 C323 2023
<https://ulaval.on.worldcat.org/oclc/1395972066>
- Choudhury, T., Koley, B., Nath, A., Um, J.-S., & Patidar, A. K. (2024). *Geo-environmental hazards using AI-enabled geospatial techniques and Earth observation systems*. Springer.
<https://doi.org/10.1007/978-3-031-53763-9>
<https://ulaval.on.worldcat.org/oclc/1435950096>
- Collado, D. (2019). *Géomatique webmapping en open source: architectures Web avec PostGIS, OpenLayers et MapServer*. Ellipses.
G 70.217 G46 C697 2019
<https://ulaval.on.worldcat.org/oclc/1091853975>
- Environmental Systems Research Institute. (2022). *Mapping the Nation: Navigating Complex Challenges*. ESRI.
G 70.212 M2977 2022
<https://ulaval.on.worldcat.org/oclc/1310709803>
- Faruque, F. S. (2022). *Geospatial technology for human well-being and health*. Springer.
<https://doi.org/10.1007/978-3-030-71377-5>
<https://ulaval.on.worldcat.org/oclc/1305911189>
- Faruque, F. S. (2022). *GIS in Healthcare*. MDPI. <https://doi.org/10.3390/books978-3-0365-3424-4>
<https://ulaval.on.worldcat.org/oclc/1366202367>

- Fleming, S., & Artz, M. (2023). *Finding a Sustainable Balance: GIS for Environmental Management* ESRI. TD 193 F494 2023
<https://ulaval.on.worldcat.org/oclc/1395526990>
- Gadsden, D., & Artz, M. (2022). *Preserving our planet: GIS for conservation*. ESRI Press. QH 77.3 G5 P933 2022
<https://ulaval.on.worldcat.org/oclc/1376377137>
- Gaigg, M. (2023). *Designing map interfaces: patterns for building effective map apps*. Esri Press. GA 139 G137 2023
<https://ulaval.on.worldcat.org/oclc/1417619842>
- Galety, M. G. (2024). *Ethics, machine learning, and Python in geospatial analysis*. IGI Global.
<https://doi.org/10.4018/979-8-3693-6381-2>
<https://ulaval.on.worldcat.org/oclc/1430686418>
- Galety, M. G., Natarajan, A., Gedefa, T., & Lemma, T. (2024). *Geospatial application development using Python programming*. IGI Global; Engineering Science Reference. <https://doi.org/10.4018/979-8-3693-1754-9>
<https://ulaval.on.worldcat.org/oclc/1427946078>
- Gao, S., Hu, Y., & Li, W. (2024). *Handbook of Geospatial Artificial Intelligence*. CRC Press.
<https://doi.org/10.1201/9781003308423>
<https://ulaval.on.worldcat.org/oclc/1404059907>
- Garg, P. K., Tripathi, N. K., Kappas, M., & Gaur, L. (2022). *Geospatial data science in healthcare for society 5.0*. Springer. <https://doi.org/10.1007/978-981-16-9476-9>
<https://ulaval.on.worldcat.org/oclc/1303556050>
- Geraghty, E., & Artz, M. (2022). *Learning from COVID-19: GIS for Pandemics*. ESRI. G 70.217 E65 L438 2022
<https://ulaval.on.worldcat.org/oclc/1345075292>
- Goeury, D., & Sierra, P. (2016). *Introduction à l'analyse des territoires : concepts, outils, applications*. Armand Colin. G 141 G981 2016
<https://ulaval.on.worldcat.org/oclc/940964314>
- Gorr, W. L., & Kurland, K. S. (2023). *GIS Tutorial for ArcGIS Pro 3.1* ESRI. G 70.212 G673p 2023
<https://ulaval.on.worldcat.org/oclc/1402288381>
- Hohl, P., & Mann, K. (2021). *Delivering Water and Power: GIS for Utilities*. ESRI. TD 220.2 D355 2021
<https://ulaval.on.worldcat.org/oclc/1244440182>
- Holloway, P. (2023). *Understanding GIS Through Sustainable Development Goals: Case Studies with QGIS*. CRC.
<https://doi.org/10.1201/9781003220510>
<https://ulaval.on.worldcat.org/oclc/1371653354>

- Jones, B., & Mann, K. (2022). *Valuing Place and Purpose: GIS for Land Administration*. ESRI.
HD 191 V215 2022
<https://ulaval.on.worldcat.org/oclc/1339102217>
- Kariyawasam, K., Palliyaarachchi, R., & Campbell, G. (2024). *The Copyright Law of Spatial Data*. Routledge.
<https://doi.org/10.4324/9781003479383>
<https://ulaval.on.worldcat.org/oclc/1429725670>
- Kerski, J. J., & Artz, M. (2022). *Creating a Smarter Campus: GIS for Education*. ESRI.
G 70.212 C9122 2022
<https://ulaval.on.worldcat.org/oclc/1341850975>
- Kewley, K., Callough, M., & Mann, K. (2022). *Designing our Future: GIS for Architecture, Engineering and Construction*. ESRI.
TH 153 D457 2022
<https://ulaval.on.worldcat.org/oclc/135015808>
- Krüger, E. L., Karunathilake, H. P., & Alam, T. (2023). *Resilient and Responsible Smart Cities: The Path to Future Resiliency*. Springer. <https://doi.org/10.1007/978-3-031-20182-0>
<https://ulaval.on.worldcat.org/oclc/1375555344>
- Lanclos, R., & Artz, M. (2021). *Dealing with Disasters: GIS for Emergency Management*. ESRI.
HV 551.25 D279 2021
<https://ulaval.on.worldcat.org/oclc/1249750370>
- Lanclos, R., & Artz, M. (2021). *Keeping People Safe: GIS for Public Safety*. ESRI.
HV 551.3 K26 2021
<https://ulaval.on.worldcat.org/oclc/1339100381>
- Lock, G. R., & Stančič, Z. (2022). *Archaeology and geographic information systems: a European perspective*. CRC Press. <https://doi.org/10.1201/9780367810467>
<https://ulaval.on.worldcat.org/oclc/1308514323>
- Lyon, J. G., & Lyon, L. K. (2023). *Geospatial information handbook for water resources and watershed management. Volume I, Fundamentals and analyses*. CRC Press.
<https://doi.org/10.1201/9781003175018>
<https://ulaval.on.worldcat.org/oclc/1349718991>
- Malakar, K. D., & Roy, S. (2024). *Mapping geospatial citizenship: the power of participatory GIS*. Springer.
<https://doi.org/10.1007/978-3-031-63107-8>
<https://ulaval.on.worldcat.org/oclc/1450208870>
- Manson, S., Kne, L., Krzyzanowski, B., & Lindelof, J. (2022). *Building the Spatial University: Spatial Thinking, Learning, and Service Throughout the System*. Springer. <https://doi.org/10.1007/978-3-030-92847-6>
<https://ulaval.on.worldcat.org/oclc/1301450455>
- Martí Henneberg, J. (2023). *Creative Ways to apply Historical GIS: Promoting Research and Teaching about Europe*. Springer. <https://doi.org/10.1007/978-3-031-21731-9>
<https://ulaval.on.worldcat.org/oclc/1402030858>

- McHaffie, P., Hwang, S., & Follett, C. (2023). *GIS: An Introduction to Mapping Technologies* CRC.
<https://doi.org/10.1201/9781003307181>
<https://ulaval.on.worldcat.org/oclc/1374064392>
- Mericskay, B. (2022). *Communication cartographique : sémiologie graphique, sémiotique et géovisualisation*.
Iste Editions.
GA 139 C734 2022
<https://ulaval.on.worldcat.org/oclc/1361697379>
- Murayama, Y., Simwanda, M., & Ranagalage, M. (2021). *Spatio-Temporal Analysis of Urbanization Using GIS and Remote Sensing in Developing Countries*. MDPI. <https://doi.org/10.3390/books978-3-0365-2540-2>
<https://ulaval.on.worldcat.org/oclc/1302293028>
- Nastasi, B., & Nezhad, M. M. (2022). *GIS and Remote Sensing for Renewable Energy Assessment and Maps*.
MDPI. <https://doi.org/10.3390/books978-3-0365-2866-3>
<https://ulaval.on.worldcat.org/oclc/1302705516>
- O'Connor, J. (2023). *A Short Introduction to Geospatial Intelligence*. CRC.
<https://doi.org/10.4324/9781003436836>
<https://ulaval.on.worldcat.org/oclc/1396880164>
- Ozdenerol, E. (2021). *Gender Inequalities: GIS Approaches to Gender Analysis*. CRC.
<https://doi.org/10.1201/9780429196584>
<https://ulaval.on.worldcat.org/oclc/1233315136>
- Ozdenerol, E. (2023). *The Role of GIS in COVID-19 Management and Control*. CRC.
<https://doi.org/10.1201/9781003227106>
<https://ulaval.on.worldcat.org/oclc/1368189512>
- Perera, S., & Pugliese, J. (2022). *Mapping Deathscapes: Digital Geographies of Racial and Border Violence*.
Routledge, Taylor & Francis. <https://doi.org.acces.bibl.ulaval.ca/10.4324/9781003200611>
<https://ulaval.on.worldcat.org/oclc/1273728090>
- Peterson, G. N. (2023). *GIS cartography: a guide to effective map design*. CRC.
GA 105.3 P485 2021
<https://ulaval.on.worldcat.org/oclc/1388625975>
- Plantin, J.-C. (2014). *La cartographie numérique*. ISTE éditions.
GA 102.4 E4 P714 2014
<https://ulaval.on.worldcat.org/oclc/876436925>
- Pomfret, K. D. (2024). *Geospatial law, policy, and ethics where geospatial technology is taking the law*.
Routledge. <https://doi.org/10.4324/9781003329961>
<https://ulaval.on.worldcat.org/oclc/1443484705>
- Ressources naturelles Canada. (2020). *Guide d'introduction de l'infrastructure canadienne de données géospatiales*. Ressources naturelles Canada = Natural Resources Canada.
<https://ulaval.on.worldcat.org/oclc/1284997808>

- Rocha, J. (2023). *GIS and Spatial Analysis*. IntechOpen. <https://doi.org/10.5772/intechopen.100705>
<https://ulaval.on.worldcat.org/oclc/1400094772>
- Saha, K., & Frøyen, Y. K. (2022). *Learning GIS Using Open Source Software: An Applied Guide for Geo-spatial Analysis*. Routledge. <https://doi.org/10.4324/9781003056928>
<https://ulaval.on.worldcat.org/oclc/1266201252>
- Saligoe-Simmel, J., & Jordan, M. (2023). *Working beyond borders: GIS for geospatial collaboration*. Esri Press. G 70.217 G46 W926 2023
<https://ulaval.on.worldcat.org/oclc/1428489510>
- Sarkar, R., Alam, A., & Siddiqui, A. R. (2024). *Agriculture and climatic issues in South Asia: geospatial applications*. CRC Press. <https://doi.org/10.1201/9781003377825>
<https://ulaval.on.worldcat.org/oclc/1405846715>
- Sarkar, R., Saha, S., Adhikari, B. R., & Shaw, R. (2024). *Geomorphic risk reduction using geospatial methods and tools*. Springer. <https://doi.org/10.1007/978-981-99-7707-9>
<https://ulaval.on.worldcat.org/oclc/1433096730>
- Satheeshkumar, S., Thirukumaran, V., & Karunanidhi, D. (2024). *Modern river science for watershed management: GIS and hydrogeological application*. Springer. <https://doi.org/10.1007/978-3-031-54704-1>
<https://ulaval.on.worldcat.org/oclc/1433657141>
- Schultz, A., Ball, M., & Artz, M. (2024). *Prepare, respond, renew: GIS for wildland fire*. Esri Press. SD 421.45 D37 P927 2024
<https://ulaval.on.worldcat.org/oclc/1428489779>
- Sekimoto, Y., & Kawahara, Y. (2023). *Utilization of Geospatial Information in Daily Life: Expression and Analysis of Dynamic Life Activity*. Springer. <https://doi.org/10.1007/978-981-19-6905-8>
<https://ulaval.on.worldcat.org/oclc/1378392744>
- Sharma, P. (2021). *Geospatial Technology and Smart Cities: ICT, Geoscience Modeling, GIS and Remote Sensing*. Springer. <https://doi.org/10.1007/978-3-030-71945-6>
<https://ulaval.on.worldcat.org/oclc/1259585723>
- Shit, P. K., Bhunia, G. S., & Adhikary, P. P. (2023). *Case Studies in Geospatial Applications to Groundwater Resources* Elsevier. <https://doi.org/10.1016/C2020-0-03556-5>
<https://ulaval.on.worldcat.org/oclc/1350385371>
- Shit, P. K., Dutta, D., Das, T. K., Das, S., Bhunia, G. S., Das, P., & Sahoo, S. (2024). *Geospatial practices in natural resources management*. Springer. <https://doi.org/10.1007/978-3-031-38004-4>
<https://ulaval.on.worldcat.org/oclc/1427067204>
- Singh, R. B., Kumar, M., & Tripathi, D. K. (2022). *Remote Sensing and Geographic Information Systems for Policy Decision Support*. Springer. <https://doi.org/10.1007/978-981-16-7731-1>
<https://ulaval.on.worldcat.org/oclc/1312664084>

- Singh, V. P., Yadav, S., Yadav, K. K., Corzo Perez, G. A., Munoz-Arriola, F., & Yadava, R. N. (2022). *Application of Remote Sensing and GIS in Natural Resources and Built Infrastructure Management*. Springer.
<https://doi.org/10.1007/978-3-031-14096-9>
<https://ulaval.on.worldcat.org/oclc/1357149717>
- Stathopoulos, N., Tsatsaris, A., & Kalogeropoulos, K. (2023). *Geoinformatics for geosciences: advanced geospatial analysis using RS, GIS and soft computing*. Elsevier. <https://doi.org/10.1016/C2021-0-01556-X>
<https://ulaval.on.worldcat.org/oclc/1380744172>
- Thomas, C., & Mann, K. (2021). *Building a Smarter Community: GIS for State and Local Government*. ESRI.
G 70.212 B932 2021
<https://ulaval.on.worldcat.org/oclc/1260695007>
- Thomas, C., Valdizon, S., & Artz, M. (2022). *Mapping Community Health: GIS for Health & Human Services*. ESRI.
HV 40 M297 2022
<https://ulaval.on.worldcat.org/oclc/1339101613>
- Tighe, L., & Artz, M. (2023). *Addressing Earth's challenges: GIS for Earth sciences*. Esri Press.
G 70.212 A227 2023
<https://ulaval.on.worldcat.org/oclc/1410837873>
- Timo de Vries, W., Rudiarto, I., & Piyasena, N. M. P. M. (2024). *Geospatial science for smart land management: an Asian context*. CRC Press. <https://doi.org/10.1201/9781003349518>
<https://ulaval.on.worldcat.org/oclc/1394906418>
- Tomaszewski, B. (2021). *Geographic Information Systems (GIS) for Disaster Management*. Routledge.
<https://doi.org/10.4324/9781351034869>
<https://ulaval.on.worldcat.org/oclc/1164818686>
- Wade, G., & Artz, M. (2023). *Managing our World: GIS for Natural Resources*. ESRI.
HC 85 M2661 2023
<https://ulaval.on.worldcat.org/oclc/1378659409>
- Wang, F., & Liu, L. (2024). *Computational methods and GIS applications in social science*. CRC Press.
<https://doi.org/10.1201/9781003292302>
<https://ulaval.on.worldcat.org/oclc/1394119309>
- Wang, F., & Wang, C. (2021). *GIS Automated Delineation of Hospital Service Areas*. CRC.
<https://doi.org/10.1201/9780429260285>
<https://ulaval.on.worldcat.org/oclc/1266216841>
- Weng, Q., & Yoo, C. (2024). *Handbook of geospatial approaches to sustainable cities*. CRC Press.
<https://doi.org/10.1201/9781003244561>
<https://ulaval.on.worldcat.org/oclc/1427940988>
- Wimberly, M. C. (2023). *Geographic Data Science with R: Visualizing and Analyzing Environmental Change*. CRC.
<https://doi.org/10.1201/9781003326199>

- Wright, D. J., Harder, C., & Wilson, E. O. (2021). *GIS for Science: Maps for Saving the Planet*. ESRI. Q 175 G5313 2021
<https://ulaval.on.worldcat.org/oclc/1339100133>
- Xia, J., Huang, Q., Gui, Z., & Tu, W. (2024). *Open GIS*. Springer. <https://doi.org/10.1007/978-3-031-41748-1>
<https://ulaval.on.worldcat.org/oclc/1438947668>
- Yates, A. G., & Environnement et changement climatique Canada. (2023). *Utilisation de SIG et de données géospatiales dans l'évaluation des cours d'eau selon l'approche fondée sur les conditions de référence : document d'orientation pour les participants du Réseau canadien de biosurveillance aquatique*. Environnement et changement climatique Canada.
<https://ulaval.on.worldcat.org/oclc/1419277764>