This data article presents a set of non-wood native biomass sources identified for bioenergy production in isolated communities living in Amazon’s extractive reserves. The data were inventoried using management plan documentation, which provides technical information on Amazon’s protected areas. The sample was collected from a virtual database published by the Ministry of Environment, the federal body responsible for managing protected areas in Brazil. Five variables were extracted from the management plans to produce the inventory, which includes data on biomass typology, nomenclature and occurrence, as well as mode of access to communities and availability of energy sources in the protected areas.

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How data was acquired
Management plan documentation was downloaded from a virtual database published by the Brazilian Ministry of Environment.

Data format
Raw data were processed and filtered.

Experimental factors
Variables regarding the protected areas were selected from management plan documentation.

Experimental features
Data are focused on determining Amazon’s non-wood native biomass sources to be used for bioenergy production in isolated communities living in extractive reserves.

Data source location
Brazilian Amazon.

Data accessibility
Data are available in this article.

Related research article
None.

Value of the data

- The present data provide information on non-wood native biomass sources that are locally available in extractive reserves of a developing country.
- The data support the use of locally available non-wood biomass materials as a renewable source for bioenergy generation.
- The data can be used for comparison with other non-wood native biomass sources.
- The data may contribute to reducing the use of fossil fuels in Amazon’s protected areas.

1. Data

This data article consists of an inventory of Amazon’s non-wood native biomass sources for bioenergy production in isolated communities living in extractive reserves. The data indicate the types of non-wood native biomass sources identified through analysis of management plan documentation of the Brazilian Amazon’s protected areas, including popular and scientific names as well as their measured occurrence in extractive reserves (Table 1).

Table 2 shows the modes of access to conservation units and the availability of energy sources for the isolated communities living in the extractive reserves. If energy is available, it also includes which energy source is used (fossil, renewable or public distribution network) and who bears the cost (public if provided by the state or private if shared by local residents).

Management plan data were collected, processed and shared in the supplementary material of this data article. The data set consists of a Microsoft Excel spreadsheet (XLSX file) containing raw extracted data, and a detailed description presented in Tables 1 and 2 of this article.

2. Experimental design, materials, and methods

This article includes qualitative and quantitative data collected from technical documents, or management plans, of Amazon’s extractive reserves. Of the 50 extractive reserves in the Brazilian Amazon, 33 have not published the referred document (Table 3); thus, the present sample consists of 17 management plans (Table 4).

Thirty out of the 33 conservation units without a management plan are not complying with the 5-year deadline to prepare the document, according to current legislation [1]. The remaining extractive reserves, namely Marinha Cuinarana (state of Pará, PA), Marinha Mestre Lucindo (PA), and Marinha Mocapajuba (PA), are within the established deadline, as they were created in 2014.

The management plans of the conservation units were collected from a virtual database published by the Brazilian Ministry of Environment, the federal body responsible for managing protected areas.
### Table 1
Non-wood native biomass resources in the Brazilian Amazon.

| Scientific name | Popular name | Occurrence in extractive reserves |
|-----------------|--------------|----------------------------------|
| Alibertia edulis | Apuruí        | 2                                |
| Anacardium giganteum W. Hancock ex Engl. | Caju-açu | 1                                |
| Anacardium spruceanum Benth. ex Engl. | Cajuí | 5                                |
| Astrocaryum aculeatum G. F. W. Meyer. | Tucumã | 12                               |
| Astrocaryum gymnacanthum Mart. | Mumbaca | 1                                |
| Astrocaryum jauari Mart. | Jauari | 5                                |
| Attalea butyracea | Jaci | 4                                |
| Attalea paripa | Inajá | 4                                |
| Attalea phalerata Mart. ex Sprengel | Urucuri | 7                                |
| Attalea speciose | Babaçu | 3                                |
| Bactris gaspea H. B. K. | Pupunha | 10                               |
| Bactris monticola Barb. Rod. | Marajá | 5                                |
| Bertholletia excelsa H. B. K. | Castanheira | 13                          |
| Bixa orellana L. | Urucum | 2                                |
| Brosimum uleanum | Maniê | 1                                |
| Byrsonima crassifolia L. | Muruci | 2                                |
| Caryocar glabrum (Aubl.) Pers. Subsp glabrum | Piquiara | 2                                |
| Caryocar villosum (Aubl.) Pers. | Piqui/Piquiá | 8                                |
| Caryodendron sp. | Castainha | 1                                |
| Castilla ulei Warburg. | Caúcho | 1                                |
| Chrysobalanus icaco L. | Ajiá | 1                                |
| Couepia bracteosa Benth | Pajurá | 1                                |
| Coumo utilis Muell. Arg | Sorva | 1                                |
| Couroupita guianensis Aubl. | Coité de macaco | 1                |
| Dipteryx odorata (Aubl.) Willd | Cumaru Ferro | 3                                |
| Eccilnusa sp. | Cagaça | 1                                |
| Elaeis oleifera | Caiáuê | 1                                |
| Eschweilera odorata (Poepp.) Miers | Matamatá | 3                                |
| Eugenia sp. | Araçá | 1                                |
| Euterpe oleracea | Açai | 3                                |
| Euterpe precatoria M. | Açai | 10                               |
| Euterpe sp. | Açai | 4                                |
| Faramea sp. | Gurdião | 1                                |
| Ficus sp. | Gameleira | 1                                |
| Garcinia madruno (Kunth) Hammel | Bacurizinho | 1      |
| Genipa americana L. | Jenipapo | 3                                |
| Guateria sp. | Araticum | 1                                |
| Hirtella sp. | Macucú | 1                                |
| Hymenaea sp. | Jatobá | 12                               |
| Inga sp. | Íngã | 6                                |
| Inga velutina | Íngã peluda | 1                                |
| Jacaratia spinose | Jaracatia | 1                                |
| Lecythis Pisonis | Castanha Sapucaia | 1                       |
| Matisia cf. cordata Humb. & Bonpl. | Sapota | 1                                |
| Mauritia flexuosa Lf. | Buriti | 13                               |
| Maximiliana maripa | Inajá | 1                                |
| Minquartia guianensis Aubl. | Acariquara | 4                                |
| Oenocarpus bacaba M. | Abacaba/Bacaba | 13                          |
| Oenocarpus bataua Mart. | Patauá | 12                               |
| Oenocarpus minor Mart. | Bacabinha | 2                                |
| Oenocarpus sp. | Bacabão | 1                                |
| Onychopetalum lucidum R. E. Fries | Envira-caju | 2                                |
| Orbignya phalerata | Babaçu | 11                               |
| Orbignya speciose | Babaçu | 2                                |
| Pachira aquatica Aubl. | Manorana | 1                                |
| Phytelephas macrocarpa | Jarina | 1                                |
| Platonia insignis Mart. | Bacuri | 7                                |
| Pourouma cecropiifolia Mart. | Mapati | 2                                |
| Pouteria bilocularis | Biorama | 1                                |
| Pouteria caimito (Ruiz & Pav.) Radlk | Abiu | 2                                |
in Brazil. Data collection was based on the inventory of the following variables: (i) non-wood native biomass resources, including popular and scientific names of species; (ii) type of access to the conservation unit; (iii) energy availability in the isolated communities living in extractive reserves; and, in case it is available, (iv) which energy source is used (fossil, renewable, or public distribution network) and (v) who bears the cost (public sector or private households).

Table 1 (continued)

| Scientific name | Popular name | Occurrence in extractive reserves |
|-----------------|--------------|-----------------------------------|
| Pseudomedia sp. | Pama         | 4                                 |
| Rollinia exsucca (Dun.) DC. | Ata         | 1                                 |
| Rollinia mucosa (Jacq.) Baill. | Bribiá     | 1                                 |
| Scheelea martina | Palheira Uricuri | 1                              |
| Spondia sp.   | Cajá         | 5                                 |
| Spondia testudines | Cajarana   | 1                                 |
| Spondias momina L. | Tapereba   | 5                                 |
| Stryphnodendron sp. | Bajinha    | 1                                 |
| Theobroma cacao L. | Cacau       | 9                                 |
| Theobroma grandiflorum (Willd. ex Spreng.) Schum. | Cupuçaçu | 8                                 |
| Theobroma microcarpum M. | Cacaurana | 1                                 |
| Theobroma subincanum Mart. | Cupui    | 1                                 |
| Theobroma sylvestris Mart. | Cacau   | 1                                 |
| Trema micrantha | Piriquiteira | 1                              |
| Zollernia paraensis | Jenipapinho | 1                              |

Total number of non-wood native biomass resources ................................................................. 75

Table 2
Extractive reserves and number of non-wood native biomass resources.

| Extractive reserve       | No. of biomass resources | Mode of access         | Energy Supply | Source                | Cost |
|--------------------------|--------------------------|------------------------|---------------|-----------------------|------|
| Arapixi                  | 31                       | Fluvial                | Deficient     | Network/fossil        | Public |
| Auati-Paraná             | 14                       | Fluvial                | Deficient     | Fossil                | Private |
| Baixo Juruú              | 19                       | Fluvial                | Deficient     | Mostly fossil         | Private |
| Barreiro das Antas       | 12                       | Fluvial and fluvial    | Nonexistent   | –                     | –     |
| Cazumbá-Iracema          | 28                       | Terrestrial and fluvial| Deficient     | Fossil                | Private |
| Chico Mendes             | 15                       | Terrestrial and fluvial| Deficient     | Network/fossil        | Public |
| Lago do Capanã Grande    | 14                       | Terrestrial and fluvial| Deficient     | Network/fossil        | Public |
| Marinha de Caeté-Taperaçu| 23                       | Terrestrial and fluvial| Deficient     | Fossil                | Private |
| Médio Juruá              | 10                       | Fluvial                | Deficient     | Fossil                | Private |
| Rio Gregório             | 21                       | Fluvial                | Deficient     | Fossil                | Private |
| Rio Iriú                 | 10                       | Fluvial and aerial     | Deficient     | Fossil                | Private |
| Rio Jutai                | 10                       | Fluvial                | Deficient     | Fossil                | Private |
| Rio Ouro Preto           | 15                       | Terrestrial and fluvial| Deficient     | Mostly fossil         | Private |
| Rio Unini                | 6                        | Fluvial and aerial     | Deficient     | Fossil                | Private |
| Rio Xingu                | 12                       | Fluvial                | Deficient     | Fossil                | Private |
| Riozinho do Anfrisio     | 9                        | Fluvial, aerial, and   | Nonexistent   | –                     | –     |
| Tapajós-Arapiuns         | 13                       | Fluvial                | Deficient     | Fossil                | Private |
| Extractive reserve                              | Covered municipality(ies)                                      | State | Created on | No. of hectares |
|------------------------------------------------|----------------------------------------------------------------|-------|------------|-----------------|
| Alto Juruá                                     | Marechal Thaumaturgo/Jordão/Porto Walter/Tarauacá              | AC    | 1/23/1990  | 537,949.36      |
| Alto Tarauacá                                  | Tarauacá/Jordão/Marechal Thaumaturgo                          | AC    | 11/8/2000  | 150,924.09      |
| Riozinho da Liberdade                          | Cruzeiro do Sul/Tarauacá/Marechal Thaumaturgo/Porto Walter    | AC    | 2/17/2005  | 324,905.93      |
| Canutama                                       | Canutama/Lábrea/Tapauá                                        | AM    | 3/27/2009  | 197,987         |
| Catuá-Ipixuna                                  | Coari/Tefé                                                     | AM    | 9/5/2003   | 217,486         |
| Guariba                                        | Apui/Manicoré                                                 | AM    | 6/1/2005   | 150,465         |
| Ituxi                                          | Lábrea                                                        | AM    | 6/5/2008   | 776,329.64      |
| Médio Purús                                     | Pauini/Lábrea/Tapauá                                          | AM    | 5/8/2008   | 604,235.97      |
| Rio Cachari                                    | Mazagão/Laranjal do Jari/Vitória do Jari                      | AP    | 3/12/1990  | 532,404.51      |
| Ciriaco                                        | Cidelândia/Imperatriz                                        | MA    | 6/17/2010  | 816.62          |
| Cururupu                                       | Apicun-Açu/Bacuri/Serrano do Maranhão/Porto Rico do Maranhão  | MA    | 6/2/2004   | 186,056.73      |
| Quilombo Flexal                                 | Mirinza                                                       | MA    | 5/20/1992  | 9338.45         |
| Guaraiba-Roosevelt                             | Aripuanã/Cohniza/Rodolândia                                   | MT    | 6/19/1996  | 138,092         |
| Arióca Prutã                                    | Oeiras do Pará/Bagre                                          | PA    | 11/16/2005 | 83,816.72       |
| Chocoaré-Mato Grosso                            | Santarém Novo/São João dos Pirabas/Maracanã/Igarapé-Açu      | PA    | 12/16/2002 | 2783.20         |
| Gurupá-Melgaço                                  | Melgaço/Gurupá/Breves                                         | PA    | 11/30/2006 | 145,574.11      |
| Ipaú-Anilinhó                                   | Baião                                                         | PA    | 6/14/2005  | 55,835.01       |
| Mãe Grande de Curuçã                           | Curiçã/Marapanim/São Caetano de Odivelas/São João da Ponta    | PA    | 12/13/2002 | 36,678.78       |
| Mapuã                                          | Breves Anajás                                                 | PA    | 5/20/2005  | 93,747.66       |
| Maracanã                                       | Maracanã/Igarapé-Açu/Magalhães Barata/Santarém Novo/São João Pirabas | PA    | 12/13/2002 | 30,179.65       |
| Marinha Cuinarana                               | Magalhães Barata                                              | PA    | 10/10/2014 | 11,036.41       |
| Marinha de Araí-Peroba                          | Augusto Corrêa                                                | PA    | 5/20/2005  | 62,578.12       |
| Marinha de Gurupi-Piríá                         | Viseu/Augusto Correia                                         | PA    | 5/20/2005  | 72,789.93       |
| Marinha de Soure                                | Soure                                                         | PA    | 11/22/2001 | 29,578.80       |
| Marinha de Tracuateua                           | Tracuateua/Bragança/Quatipuru                                 | PA    | 5/20/2005  | 27,864.50       |
| Marinha Mestre Lucindo                          | Marapanim                                                    | PA    | 10/10/2014 | 26,464.88       |
| Marinha Mocapajuba                              | São Caetano de Odivelas                                       | PA    | 10/10/2014 | 21,027.80       |
| Renascer                                       | Prainha                                                       | PA    | 6/5/2009   | 209,667.37      |
| São João da Ponta                               | São João da Ponta/São Caetano de Odivelas/Curiçã              | PA    | 12/13/2002 | 3409.49         |
| Terra Grande Pracuiba                           | São Sebastião da Boa Vista Curralinho/Anajás/Breves/Muanã     | PA    | 6/5/2006   | 194,870.38      |
| Verde para Sempre                               | Porto de Moz/Gurupá/Brasil Novo/Prainha                       | PA    | 11/8/2004  | 1,289,000.00     |
| Lago do Cunhã                                   | Porto Velho                                                   | RO    | 11/10/1999 | 50,604.27       |
| Rio do Cautário                                 | Guajará-Mirim/Costa Marques                                   | RO    | 8/7/2001   | 75,125.50       |
Table 4
Amazon’s extractive reserves with a management plan. Source: adapted from the Brazilian Ministry of Environment [2] and Chico Mendes Institute for Biodiversity Conservation [3].

| Extractive reserve        | Covered municipality(ies)                          | State | Created on  | No. of hectares |
|---------------------------|-----------------------------------------------------|-------|-------------|-----------------|
| Cazumbá-Iracema           | Manoel Urbano/Sena Madureira                        | AC    | 10/19/2002  | 754,987.10      |
| Chico Mendes              | Sena Madureira/Rio Branco/Capixaba/Xapuri/Brasiléia/Assis Brasil/Epitaciolândia | AC    | 3/12/1990   | 931,542.94      |
| Arapixi                   | Boca do Acre                                       | AM    | 6/21/2006   | 133,711.51      |
| Auati-Paraná              | Japurá/Fonte Boa/Maraã                              | AM    | 8/7/2001    | 146,949.38      |
| Baixo Juruá               | Juruá/Uarini                                       | AM    | 8/1/2001    | 178,038.92      |
| Lago do Capanã Grande     | Manicoré/Tapauá/Beruri                             | AM    | 6/3/2004    | 304,313.44      |
| Médio Juruá               | Carauari                                            | AM    | 3/4/1997    | 286,954.81      |
| Rio Gregório              | Eirunepé                                            | AM    | 4/25/2007   | 427,004         |
| Rio Jutaí                 | Jutaí                                               | AM    | 7/16/2002   | 275,515.82      |
| Rio Unini                 | Barcelos/Maraã                                      | AM    | 6/21/2006   | 849,693.35      |
| Marinha de Caeté-Taperaçu | Bragança/Tracateua                                 | PA    | 5/20/2005   | 42,489.81       |
| Rio Iriri                 | Altamira                                            | PA    | 6/5/2009    | 398,997.61      |
| Rio Xingu                 | Altamira/São Félix do Xingú                         | PA    | 6/5/2008    | 303,004.70      |
| Riozinho do Anfrisio      | Altamira/Itaituba/Rurópolis/Tairão                  | PA    | 11/8/2004   | 736,144.01      |
| Tapajós-Arapinus          | Santarém/Aveiro                                     | PA    | 11/6/1998   | 677,521.47      |
| Barreiro das Antas        | Guajarã-Mirim                                       | RO    | 8/7/2001    | 106,198.52      |
| Rio Ouro Preto            | Guajarã-Mirim/Nova Mamoré                           | RO    | 3/13/1990   | 204,632.81      |
Transparency document. Supporting information

Transparency data associated with this article can be found in the online version at https://doi.org/10.1016/j.dib.2018.09.050.

Appendix A. Supporting information

Supplementary data associated with this article can be found in the online version at https://doi.org/10.1016/j.dib.2018.09.050.

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