



# Wood Tracking Protocol

<https://wtp-project.com/>



## ¿Que es WTP?

Wood Tracking Protocol es una aplicación para la verificación física y autenticación de los datos en cada uno de los eslabones de la cadena de la madera.

- Aplicación web (<https://web.wtp-project.com>)
- PWA (aplicación que se puede instalar en Mac, Windows, iOS, Android)
- Aplicación nativa para Android (<https://wtp-project.com/download/>)
- Geolocalización, GPS, Marca de tiempo (timestamping) automática
- Posibilidades sin conexión (funciona sin acceso a Internet)
- Gestiona varios tipos de usuarios (autoridad, maderero, transporte, procesamiento, etc.)



# ¿Por qué necesita Blockchain?

Blockchain es una lista de registros en continuo crecimiento, llamados bloques, que se almacenan en una base de datos descentralizada, vinculados y asegurados mediante el uso de criptografía.

Debido a que está descentralizado, nadie posee la información, y nadie puede conectarse físicamente a la blockchain para eliminar o modificar un registro.

- Garantizar el comercio de madera legal
- Lucha contra la corrupción
- Comercio justo (smart contract)
- Transferencia de dinero automática y segura (vía criptomoneda o otro)

# Flujo de trabajo

Permite la trazabilidad del origen de la madera desde:

- Osinfor
- Censo
- Serfor
- Corte del árbol
- Transporte de la madera
- Transformación
- Comercialización

OSINFOR

Manage the list of the companies and authority that can access the platform and store information on the blockchain.  
Non registered companies, illegal companies will be flagged as illegal by Osinfor

CENSO

The censo engineer of a logging company list all the trees that are planning to cut and generate their "Plan de Manejo Forestal".  
This will create a new chain and information such as photo, GPS data, company and censo information, and other text data are stored in the blockchain

SERFOR

SERFOR via our platform can approve or disapproved the "plan de manejo forestal" of the company, on a tree level if needed.  
This information will be stored in the blockchain and let anybody know that this tree is legal to be cut down.

Wood Cutting

The employee of the Wood cutting company, take a photo of the tree he is cutting. The app will append to the blockchain information such as photo of the transaction, GPS data, employee data, company data and some other data into the blockchain.

Transportation

The employee of the Transportation company, take a photo of the load he is transporting. The app will append to the blockchain information such as photo of the transaction, GPS data, employee data, company data and some other data into the blockchain.

Wood Transformation

The employee of the Wood transformation company, take a photo of the wood he is going to transform. The app will append to the blockchain information such as photo of the transaction, GPS data, employee data, company data and some other data into the blockchain.

Police control

Police officer take a photo of the load he is controlling. The app will append to the blockchain information such as photo of the transaction, GPS data, employee data, company data and some other data into the blockchain.

Furniture assembly

The employee of the Furniture company, take a photo of the wood he is going to transform. The app will append to the blockchain information such as photo of the transaction, GPS data, employee data, company data and some other data into the blockchain.

Transportation

The employee of the Transportation company, take a photo of the load he is transporting. The app will append to the blockchain information such as photo of the transaction, GPS data, employee data, company data and some other data into the blockchain.

International Selling

The employee of the Wood trade company, take a photo of the wood he is going to buy. The app will append to the blockchain information such as photo of the transaction, GPS data, employee data, company data and some other data into the blockchain.

Transportation

The employee of the Transportation company, take a photo of the load he is transporting. The app will append to the blockchain information such as photo of the transaction, GPS data, employee data, company data and some other data into the blockchain.

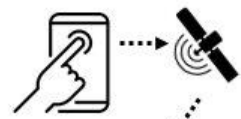
End Customer

The End-customer scan the QR code, and can see the entire history of the furniture from the censo part of view, approval from the different authority, and how the wood was used and transformed, from the cutting of the tree, the transportation, transformation etc...

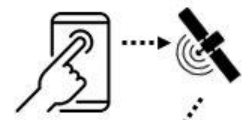
Real World Activity

Corresponding Digitalization

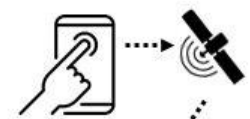
### 1. Logging



### 2. Transport



### 3. Processing



**WTP**



Logging relevant Data (Location/Time/Size/Species) is generated via Smart Phone and stored on distibuted ledgers.

Transport verifies Logging Data by applying a coherence algorithm. If check is positive – logger receives automated payment.

Processing receives wood and verifies data for coherence. If check is positive – transport receives automated payment.

# ¿Cómo funciona? 3 pasos simples

## 1 - identificar el producto

(Escanee un código QR, código de barras, ingreso manual de datos)



## 2 - Añadir información

(tomar una foto, agregar datos de GPS y algunos datos manuales en la aplicación)



## 3 - Eso es

Los procesos de fabricación se digitalizan y se almacenan en una blockchain





# 1- Identifica la pieza de madera

Etapa 1: identificar un pedazo de madera

El usuario puede:

- Entrar el número de un Guia Forestal
- Resolución de aprobación del Plan Operativo (PO)
- Numero de Contrato
- Guia de Transporte Forestal (GTF)



WTP Aprovechamiento

## Aprovechamiento

1- Identifica tu pieza de madera

Código del Árbol

Puede encontrar el número de identificación impreso o escrito en la pieza de madera (1011-PC10)

Resolución de aprobación del Plan Operativo (PO)

Numero de Contrato

Guia de Transporte Forestal (GTF)

[Siguiente →](#)

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## 4- Listo

Cuando se realiza una conexión a Internet, la información se envía a nuestra plataforma y se almacena de forma segura en una blockchain.

En el futuro, podríamos pensar en automatizar la transferencia de dinero a través de esta aplicación (no más informalidad).

The screenshot shows the WTP censo application interface. At the top, there is a blue header with the WTP censo logo and a menu icon. Below the header, a green notification box displays a "Congratulación" message: "Los datos se han agregado correctamente al sistema. El ID de transacción es: 701e26c524c63d7bd164f24a8a416f360f9aadeb66693717c93e9fe821ad2df9". Below the notification is a blue button labeled "+ Añadir un nuevo registro". The main content area features the logos of the Swiss Confederation (Schweizerische Eidgenossenschaft, Confédération suisse, Confederazione Svizzera, Confederaziun svizra) and the Climate Ledger Initiative. Below the logos, the text reads "Embajada de Suiza en el Perú" and "Agencia Suiza para el Desarrollo y la Cooperación COSUDE". At the bottom, a blue footer contains the text "2021 © • Wood Tracking Protocol".





## Pruébalo



# Wood Tracking Protocol

Descargue la aplicación Android en:

<https://wtp-project.com/download/>

Ir a la aplicación web:

<https://web.wtp-project.com/>

