

## Plan Overview

---

*A Data Management Plan created using DMPTool*

**Title:** DMP 5024 Final Project

**Creator:** Alina Rojas

**Affiliation:** Virginia Tech (vt.edu)

**Principal Investigator:** Alina Rojas

**Data Manager:** Alina Rojas

**Funder:** National Science Foundation (nsf.gov)

**Funding opportunity number:** 33176

**Template:** NSF-GEN: Generic

**Project abstract:**

The objective of this project is to identify the issues pallets present in a semi-automated or fully automated warehouse due to pallet design and quantify how this issue affects the operating cost of the supply chain.

**Last modified:** 04-27-2018

**Copyright information:**

The above plan creator(s) have agreed that others may use as much of the text of this plan as they would like in their own plans, and customize it as necessary. You do not need to credit the creator(s) as the source of the language used, but using any of the plan's text does not imply that the creator(s) endorse, or have any relationship to, your project or proposal



## **DMP 5024 Final Project**

### **Types of data produced**

---

**The types of data, samples, physical collections, software, curriculum materials, and other materials to be produced in the course of the project.**

The data we will be collecting is numerical qualitative and numerical quantitative. The first stage of the project will use numerical qualitative data, this data will describe the diversity of issues warehouses faced when using different pallet's design. The second stage of the project will use numerical quantitative data to describe the economic impact pallet design have in the operating cost of the supply chain.

### **Data and metadata standards**

---

**The standards to be used for data and metadata format and content (where existing standards are absent or deemed inadequate, this should be documented along with any proposed solutions or remedies).**

Do not have any at this point

### **Policies for access and sharing**

---

**Policies for access and sharing including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, or other rights or requirements.**

This data will be free to use to the public two years after the research is done due to confidential agreements sign with members of the Center of packaging and unit load design.

### **Policies for re-use, re-distribution, derivatives**

---

**Policies and provisions for re-use, re-distribution, and the production of derivatives.**

None at this point.

### **Plans for archiving and preservation**

---

**Plans for archiving data, samples, and other research products, and for preservation of access to them.**

For the first stage of the research will be collecting primary data from the industry that will describe the issues companies are currently facing in their warehouse related to pallets. This data will be collected using a survey.

The second stage of the research will be defining an economic model that can represent the economic impact issues related to pallet design (established in the first stage. ) have on the operating cost of the supply chain.

---